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Baltimore, Mayor.

Annual Reports

— OF THE —

CITY DEPARTMENTS

— TO THE —

Mayor and City Council of Baltimore,

FOR THE YEAR 1900-01.

WILLIAM J. C. DULANY COMPANY,
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ANNUAL REPORT

OF THE

Judges of the Appeal Tax Court

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

Fiscal Year Ending December 31, 1900

BALTIMORE:
WM. J. C. DULANY CO., PUBLIC PRINTERS.

1901.

REPORT.

DEPARTMENT OF REVIEW AND ASSESSMENT,

SUB-DEPARTMENT, APPEAL TAX COURT.

CITY HALL, BALTIMORE, January 1, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: We beg herewith to submit a report of this Sub-Department for the fiscal year ending December 31st, 1900.

Table "A" is a statment of new assessments and abatements made for the years 1898 and 1899, from January 1, 1900 to December 31, 1900, and for the year 1900 from October 1, 1899 to December 31, 1900.

Table "B" exhibits by wards the number of building permits issued during the year. The permits are issued under the old ward lines or assessment districts as required by Section 164, page 162, Laws of Maryland, 1896.

Table "C," the Chief Assessor's report, showing the number of new buildings and additional improvements assessed by the Court's assessors, the wards in which they are severally located, (old twenty-two wards), a detailed aggregate valuation of the same.

Table "D" shows the number and amount of increases made in real estate, personal property and securities during the year.

Table "E" shows the number of appeals heard before the Court with the abatements made.

Table "F" shows the mortgage basis for each year from 1898 to 1900 inclusive.

Table "G" shows the amount of refunds ordered by the Appeal Tax Court during the year.

Table "H" shows the amount of plant exemption granted during the year and transfers of real estate.

Table "I" shows the appropriations, expense account and disbursements.

For the taxable basis for 1901, made out and delivered to the City Collector, and also to the Board of Estimates, the following is the statement showing the valuation of the assessment of all property subject to taxation in said city as it appears upon the assessment books of said Court on the 1st day of October, 1900. This statement was delivered both to the City Collector and to the Board of Estimates promptly upon the 1st day of October, as Section 171 of the New Charter requires.

Real estate		$242,472,012
Personal	$36,992,526	
Less plant exemption	2,344,161	34,648,365
Incorporated companies, estimated		45,000,000
Securities		68,879,484
Suburban Real		11,514,570
		$402,514,431

These figures show an increase of $14,272,411 over last year.

Since sending in that statement the Court has continued its work, and below is a statement giving the net increase of new assessments and abatements from October 1, 1900, to January 1, 1901.

Real	$177,970
Personal	55,883
Securities	3,828,872
	$4,062,725

There was a decrease in suburban basis in same period of $71,071, making the net basis on January 1, 1901, $406,506,085.

It will be shown by the above statements that the Court has increased the taxable basis a considerable amount. In this connection it must also be remembered that we were faced with a very large amount of abatements which were found in

the Court records when we took our seats on the 1st of March, 1900. The 1900 basis was kept up notwithstanding the large abatements which had been made. Another matter which has given a great deal of trouble is the fact that many persons came before the Court during the collection of taxes in 1899 with tax bills for property which had been sold or disposed of in different ways. A number of these persons stated that they had appeared before the Appeal Tax Court before the 1st day of October 1899 and were told to return in the spring of 1900, and the abatements asked would be granted. It is almost needless to say that these abatements should all have been made when they were applied for before October 1st, 1899, and the amounts assessed against these persons should not have gone into the basis for 1900, thus becoming a part of that basis. The present Court considered these cases, (and there were many of them) with great care, and felt it to be its duty to take the responsibility of declining to make the abatements requested, as they were asked for after October 1, 1899. The law upon this point is clear. We were so advised by the City Solicitor, and Judge Stockbridge has sustained what is known as the October clause of the New Charter. (See Sec. 171 in the case of Lyon Bros. & Company vs. The City of Baltimore). Lyon Bros. & Company applied for an abatement for 1901 on the 1st day of October 1900. The Appeal Tax Court declined to make the abatement for the reason that the language of Section 171 of New Charter is clear that no abatement can be made after October 1 of any year. Judge Stockbridge dismissed the petition of Lyon Bros. & Company, and the case has been taken to the Court of Appeals, where a final decision will be rendered in the matter.

A case has also gone to the Court of Appeals which will finally settle the much discussed question of what constitutes a block in the Annex.

The biennual assessment law of 1896, which obliged biennual assessments of personal property to be made was re-

pealed by the Legislature of 1900. (See Chapter 347, Acts of 1900). This repealing act was drawn and urged by the Appeal Tax Court, and it is a matter of congratulation that it has become a law. A general revision of all assessable property must now take place at least, once in every five years.

By the Act of 1900, Chapter 399, the City now has an appeal from the decisions of the State Tax Commissioner. This right has never been given the City until the last Legislature passed this law at the suggestion of the Appeal Tax Court. If properly used it will no doubt be of value to the City of Baltimore and of assistance to the State officers.

Chapter 274 of the Acts of 1900 gives the Appeal Tax Court the right to refuse permits for the erection of new buildings until it is satisfied that all back taxes have been paid upon the land on which new buildings are proposed to be erected. The advantage of this Act has been illustrated on more than one occasion. It has served in assisting in the collection of taxes, and has often saved money for people who buy small houses upon the representation that all charges against the same, including taxes, are paid.

Chapter 320 of the Acts of 1900, amended the Act as to the taxes on distilled spirits, the Court of Appeals having decided the former Act unconstitutional. This amendatory Act will no doubt be of considerable help to the City in producing revenue from a source well able to bear it, and which has heretofore escaped taxation.

The Appeal Tax Court had also before the Legislature several other Acts of importance which although they were carefully looked after, were not passed by the Legislature. It will again be our duty to urge the passage of these Acts before the next General Assembly.

The Court has had under consideration a plan for a franchise tax, and the question of an income tax. These are matters of great and vital importance to the City of Baltimore. They deserve the most careful attention and the best thought which can be given to them. We propose at the

proper time to submit our plans to carry out these suggestions. To fully discuss these two most important laws would take up more time and occupy more space than would be proper to use in this report. We therefore content ourselves for the present with stating that these matters are being given our careful attention and consideration.

It does not seem to be known to the citizens at large that the assessments upon property in the City of Baltimore are made under the old twenty-two ward lines. Of course as that is the law under which the Court works, we cannot make any changes. A better plan would be to divide the city into assessment districts which could be of much more regular shape than the old twenty-two wards. This is a matter which the Legislature will be urged to arrange. In some cases the old ward lines are confusing from their irregularity. Many citizens are greatly perplexed by living in one of the new twenty-four wards, and being assessed in one of the old twenty-two.

The Court endeavored to get the Legislature of 1900 to pass an Act exempting from taxation $300 worth of furniture. This Law was defeated by an adverse report of the Committee on Ways and Means of the House; the view being taken that it was an unconstitutional bill. This character of property assessed is almost worthless. It is simply irritating, and the collections from it to the City are hardly commensurable with the effort and cost of collecting. We respectfully submit that if the law we proposed is unconstitutional, then the law which exempts farming implements to the amount of $300 is also unconstitutional, (See Act of 1896, Chapter 128, Section 4).

Your attention is also called to the absolute worthlessness of the tax on the interest of mortgages of $200 principal or under. To collect eight per cent. on the income of such mortgages requires work and effort which never pays for the amount collected, and in many instances these small mortgages are those given by very poor persons upon household furniture

and remain upon the records only a brief time. The Court has had before it many applicants requesting abatements on these mortgages for reasons that they are not collectible, have been paid off in a short time, are worthless, and frequently the sums collected by the City Collector only amounts to two or three cents at a time. The mere item of paper used in these matters costs more than the tax produces. We urged the Legislature to exempt from taxation mortgages for $200 or under. In our opinion the Act was very unwisely reported unfavorably.

We have endeavored during the time that the present Court has been at work to give all persons who applied for abatements a careful and considerate hearing. We have had before us one thousand one hundred and twenty-seven appeals for abatements on real estate. Of these cases six were taken to the City Court in appeal under Section 170 of the Charter. Only two have been reversed or assessment reduced. This is a very satisfactory showing to the Court, and considering the vast number of cases heard, it is a matter of congratulation that our decisions have been acquiesced in almost universally by the taxpayers. No case has been decided by the Appeal Tax Court without the party or parties interested having received a summons to appear and a time fixed for the hearing. In many instances the three members of the Court have not agreed, but after a careful hearing and a conference between us in almost all cases we have reached a conclusion which was fair to the City and just to the taxpayer.

The Court has now before the City Council an ordinance for a complete reorganization of our Sub-Department. If this ordinance becomes a law the Court will be enabled to do its work in a much more systematic, intelligent and expeditious manner. There is also another ordinance before the City Council which requires the Appeal Tax Court before allowing an abatement upon any property to see that all back taxes are paid. This ordinance, if it becomes a law, will aid in the collection of taxes and will prevent oftentimes two valuations on

the same piece of property with taxes unpaid upon both. There has also been introduced into the City Council an ordinance which should become a law of the City without fail. This ordinance requires that before any exemption of plant be granted the person or corporation applying for same should pay all taxes due. This will also aid in the collection of taxes, and besides it seems but fair, where the citizen receives this exemption, at least the taxes due the City should be paid. It is a matter of everyday occurrence, when applications are made for exemption of plant, to discover the taxes are unpaid by the applicant for several years back. Particular cases could be cited which occur again and again. The above-mentioned ordinances are the suggestions and work of the Appeal Tax Court.

Article 81, Section 9, Code of Public General Laws, requires that the Register of Wills shall annually, by the first day of March, return to the Appeal Tax Court a summary account of all property in the hands of each executor, etc., so that the proper taxes may be levied thereon. The Register receives such compensation as the Appeal Tax Court may deem proper. If the Register does not furnish these inventories, he is liable to indictment and fine. We do not quote fully the language of the section, but epitimize it. The Register of Wills should be required not only to furnish the inventories but also the distribution accounts. At present, under this section, only the inventories are furnished. By the arrangement in existence the City of Baltimore pays $150.00 per annum to the Register of Wills of Baltimore City for the inventories. It seems to us that the Register should not only be required to furnish the inventories but also the distribution accounts and both free of charge. The Register of Wills is a State officer and this work is of value to the State, and the State should not require the City to pay for collecting its taxes. Both the State and City are interested in having the taxes collected economically and expeditiously. By an arrangement with the Register of Wills, in-

stead of receiving the inventories once a year, we get them at more frequent periods.

A decision of one of the Courts of Baltimore City several years ago, upon Section 28, Article 50, City Code of 1893, the question was raised and decided adversely to the City upon the section giving the Appeal Tax Court control, in any particular locality, over the character of buildings to be erected therein. The present law is not very clear, and should be re-enacted so that the Appeal Tax Court could have unquestionable powers to regulate the character of buildings to be erected in any locality in order that the same should conform to the general scheme of the buildings in the particular neighborhood. As the law now is, it is possible for a man to erect anything he pleases, thus injuring a valuable neighborhood by a low class of buildings. Of course this is said to be improbable, but the question has come before the court and might arise some day in a very unpleasant way. We are aware that the law gives the right to a person to use his property in any way he pleases so long as he does not create a nuisance. This right has been used, in one case, we are informed, for the sole purpose of compelling the neighbors to buy the land at an advance from the person (a speculator in the case) proposing to build. The scheme was concocted in order to squeeze the persons owning property in said neighborhood.

The Act of 1896, Chapter 146, known as the Reassessment Law, ought to be amended so that the Clerk of the Superior Court of Baltimore City should not charge for furnishing list of mortgages. What we have said in reference to inventories and distribution accounts from the Orphans' Court applies with equal force to this section.

We would suggest that the laws governing the duties of the Tax Commissioner and financial officers of the State, and also those controlling the work of the Appeal Tax Court where the dates conflict should be changed so that there should not be so many differences between

them. As an illustration of the awkwardness of the situation we give one example: Section 86 of Article 81, Code of 1888, as amended by Act of 1890, Chapter 491, provides that the State Tax Commissioner should, among other things, on or before the first day of June, apportion the franchise tax to be paid by the savings banks to the State and to the City of Baltimore. The fiscal year of the City of Baltimore begins on the first day of January. It is true that the State Tax Commissioner often advances these matters and does so whenever it is in his power. It will be seen that the City may be ready to collect taxes before the Tax Commissioner can possibly give the City notice of what is its proportion of such franchise tax. This is but one illustration of the many differences in dates between the acts governing the collection of taxes of the city and State.

In recent years storage warehouses have largely increased in the City of Baltimore. In these warehouses very large and valuable accumulations of personal property exist. The Appeal Tax Court has tried in every way to reach this property. We have summoned before us the persons in charge of a particular warehouse and in almost every case the manager has stated under oath that he cannot tell to whom the property under his charge belongs. Large amounts of goods are constantly being placed in these establishments which are withdrawn from time to time and are not reached by this Court and no taxes are paid upon them. An Act should be passed compelling the storage warehouse keepers to make sworn returns of the property under their charge so that the proper amount of tax could be levied thereon. As modern ideas and plans of business develop, this class of property will greatly increase, and we are of the opinion that a great deal could be added to the assessable basis of the City of Baltimore if this property could be assessed at something like its true value.

During the past year the Court has had before it on several occasions bankers, brokers, the presidents of trust companies, and examined them concerning the property they have

in charge for others. It would not be fair to tax these persons upon the stocks and bonds they hold as collateral, but they should be compelled by law to furnish the Court with such information as would enable us to properly tax the owners of this class of property. Conservative persons have estimated that the intangible property, such as stocks and bonds, etc., in the City of Baltimore, amounts to about $400,000,000, taxed on thirty cents on the dollar. The Appeal Tax Court has only been able to find $72,708,356, and place the same on the tax books.

This of itself shows conclusively how much of this property escapes taxation, even at the low rate at which it is taxed. If a proper return was made to the Court by the different persons and institutions who hold large amounts of this class of property, there is no doubt it could be reached. In spite of the attempt made by this Court last year to assess this property the results have not been as satisfactory as we had hoped. The Court intends during this year to proceed upon a new plan, which we do not think proper to divulge at this time. If we succeed in accomplishing the desired result, further legislation will be unnecessary; but there is no doubt that the passage of a law obliging all stocks, bonds and securities to be registered with some public officer, and if not registered, to be uncollectible and interest forfeited, there would be a decided gain to the State and City, (provided it is desirable to continue to try and collect a tax upon this class of property). This subject is one which has been debated and fought over for a long time, without practical results being reached. It is a most difficult class of property to reach for the purpose of taxation. If one-half of the taxable securities held in the city be placed on the tax books, the basis would be largely increased and the rate of taxation in our city would be greatly reduced.

The Court has endeavored during the ten months in which we have been in office to do our duty faithfully both to the

taxpayers and to the City. We trust with a reorganization of our Sub-Department and the increased force at our disposal, at the end of the year the City will be greatly benefitted by our work.

In closing this report we desire to call attention to a situation which impresses itself upon any one thinking about the matter. Many of our wealthiest citizens with large business interests in Baltimore acquire residences in the county for the purpose of being taxed there. They should remember that the rate of taxation upon securities is the same in the city as in any part of the State. We only desire a fair return from every taxpayer, and as it has been well said a clear conscience and a fair tax schedule go together. It is right to say to the merchants, bankers and citizens generally who live outside of Baltimore for the purpose of escaping the city rate you should take the broad ground that as your fortune has been made here or your interests are here, or at least you make your living in the city, you should be taxed in Baltimore. Suppose being taxed in the city would in some cases materially increase your tax bills. Is it not true that you have made your money in Baltimore? Is it therefore fair to the city where all your business interests are or where, at least, you make your daily bread, to have your entire personal assessment in Baltimore County, where you hardly do more than sleep? Think of this. We are of the opinion that this view of the case is not as often brought home to the citizen as it should be.

Respectfully submitted,

CONWAY W. SAMS,
S. H. FREBURGER,
T. BURLING HULL,
Judges of Appeal Tax Court.

LOUIS CASSARD, JR.,
Chief Clerk.

FRANK J. MURPHY,
Assistant Clerk.

TABLES.

TABLE A.

STATEMENT OF NEW ASSESSMENTS AND ABATEMENTS MADE FOR THE YEARS 1898 AND 1899, FROM JANUARY 1, 1900, TO DECEMBER 31, 1900, AND FOR THE YEAR 1900 FROM OCTOBER 1, 1899, TO DECEMBER 31, 1900.

1898.

1900.		*Real.*	*Personal.*	*Securities.*
Jan. 31.	To new assessments.....	$1,800	$8,900	$1,500
Feb 28.	" "	1,774	13,100	50,000
Mar. 31.	" "	4,403	3,450	.....
May 31.	" "	250	4,000	.....
June 30.	" "	2,282	.....	.....
July 31.	" "	2,308	.....	.....
Dec. 31.	" "	275	650	.....
		$13,092	$30,100	$51,500

1898—ANNEX.

1900.			
Jan. 31.	To new assessments.....	$100,600	$13,208	.....
Feb. 28.	" "	1,516	12,813	.....
Apr. 30.	" "	.....	500	.....
June 30.	" "	437	.....	.....
July 31.	" "	1,400	.....	.....
Oct. 31.	" "	1,200	.....	.....
Nov. 30.	" "	15,583	.....	.....
		$120,736	$26,521	.....

TABLE A—Continued.

1898.

1900.		*Real.*	*Personal.*	*Securities.*
Jan. 31.	By abatements.....	$1,433	$524,246	$145,439
Feb. 28.	" "	4,571	846,748	134,315
Mar. 31.	" "	500	17,343	20,176
Apr. 30.	" "	.....	2,422	.....
May 31.	" "	.....	5,633	.....
June 30.	" "	2,558	8,916	16,544
July 31.	" "	13,050	1,675	.....
Aug. 31.	" "	3,646	198,657	15,601
Sept. 30.	" "	.....	5,900	.....
Nov. 30.	" "	150	3,587	.....
Dec. 31.	" "	11,386	11,920	7,000
		$37,294	$1,627,047	$339,075

1898—Annex.

1900.				
Jan. 31.	By abatements.....	$25,560	.....	.....
June 30.	" "	600	150	.....
July 31.	" "	16,032	400	.....
Aug. 31.	" "	5,276	.....	.....
Dec. 31.	" "	3,646	150	.....
		$51,114	700	.....

TABLE A—Continued.

1900.		1899. *Real.*	*Personal.*	*Securities.*
Jan. 31.	To new assessments.....	$2,342	$5,645	$90,605
Feb. 28.	" "	1,774	14,399	26,445
Mar. 31.	" "	4,403	4,655	513,113
Apr. 30.	" "	250	1,495	4,763
May 31.	" "	.....	2,500	5,015
June 30.	" "	2,282	5,375	4,630
July 31.	" "	2,308	1,150	.....
Sept. 30.	" "	125	2,610	2,000
Oct. 31.	" "	517	250	.....
Nov. 30.	" "	4,000	2,550	.....
Dec. 31.	" "	150	1,350	3,856
		$18,151	$41,979	$650,427

1900.		Annex—1899.		
Jan. 31.	To new assessments.....	$3,290	$4,550	.....
Feb. 28.	" "	1,566	2,257	.....
Apr. 30.	" "	.....	51,160	$59,000
June 30.	" "	437	.....	.....
July 31.	" "	1,400	150	1,400
Oct. 31.	" "	1,200	.....	.....
Nov. 30.	" "	15,583	.....	.....
		$23,476	$58,117	$60,400

TABLE A—Continued.

1899.

1900.					
Jan. 31.	By abatements.....	$5,508	$80,874	$2,692
Feb. 28.	" "	2,536	419,258	28,920
Mar. 31.	" "	925	509,132	3,292
Apr. 30.	" "	800	3,700	5,250
May 31.	" "	23,141	15,238	10,800
June 30.	" "	3,191	1,678	.....
July 31.	" "	15,739	1,215	.....
Aug. 31.	" "	13,575	300	.....
Sept. 30.	" "	1,717	657	101,726
Oct. 31.	" "	13,336	263	2,250
Nov. 30.	" "	.....	21,845	.....
Dec. 31.	" "	16,942	7,710	2,230
		$97,410	$1,061,970	$157.160

1899—ANNEX.

1900.				
Jan. 31.	By abatements.....	$25,560	$250	.....
Feb. 28.	" "	6,300	1,290	.....
June 30.	" "	900	19,164	$5,000
July 31.	" "	15,232	850	.....
Aug. 31.	" "	4,961	1,185	.....
Dec. 31.	" "	10,746	.....	.....
		$63,699	$22,739	$5,000

TABLE A—Continued.

1899.	1900.	*Real.*	*Personal.*	*Securities.*
Sept. 30.	To amount of assessment of 1899 remaining as portion of basis for 1900 less incorporated companies	$207,098,038	$30,989,210	$58,510,275
Sept. 30.	To amount of Annex assessment of 1899 to be charged at city rate	.....	2,815,782	6,233,729
Sept. 30.	To amount new assessment in Annex to be charged city rate	26,916 433	.....	.....
Sept. 30.	To amount new assessment	2,900,845	683,959	853,735
Sept. 30.	To amount judgment Superior Court	.....	90,773	.....
Sept. 30.	To amount judgment Court of Common Pleas	.....	42,353	.....
Sept. 30.	To amount judgment Baltimore City Court	.....	61,123	.....
Nov. 30.	To new assessment	138,600	38,835	3,200
Dec. 30.	" "	311,829	89,134	304,724
1900.				
Jan. 31.	To new assestment	149,255	33,445	243,985
Feb. 28.	" "	12,966	144,801	28,445
Mar. 31.	" "	10,639	26,023	928,896
Apr. 30.	" "	12,375	192,485	566,818
May 31.	" "	6,799	58,529	97,706
June 30.	" "	6,882	141,685	20,260
July 31.	" "	12,071	40,665	25,511
Aug. 31.	" "	1,000	48,331	13 058
Sept. 30.	" "	.....	10,130	157,510
Oct. 31.	" "	1,942	822	8,050
Nov. 30.	" "	6,250	4,977	136,460
Dec. 31.	" "	658	1,650	58,496
Dec. 31.	" incorporated companies	.....	44,419,500	699,067
		$237,586,582	$79,934,212	$68,889,925

TABLE A—Continued.

1900.				
1899.				
Sept. 30.	By abatements.....	$442,274	$36,975	$26,806
Sept. 30.	" "	252,779	331,385	88,954
1900.				
Jan. 31.	By abatements.....	52,101	420,459	91,937
Feb. 28.	" "	75,792	158,296	31,380
Mch. 31.	" "	42,186	9,084	425,765
Apr. 30.	" "	148,982	101,118	365,085
May 31.	" "	90,214	514,970	451,794
June 30.	" "	19,729	33,555	21,580
July 31.	" "	40,814	10,397	16,255
Aug. 31.	" "	27,679	54,846	12,014
Sept. 30.	" "	90,958	116,121	170,477
Oct. 31.	" "	20,336	85,668	31,714
Nov. 30.	" "	815	102,695	20,689
Dec. 31.	" "	25,912	20,433	85,190
Dec. 31.	Plant exemption.....	.....	2,260,979	.....
		$1,330,571	$4,256,981	$1,839,640

TABLE A.—Continued.

1900—ANNEX.

1899.		*Real.*	*Personal.*	*Securities.*
		.....	.....	.....
Sept. 30.	To amount of Annex assessment of 1899 to be charged at sixty cent rate as basis for 1900.....	$10,810,492	.....	.....
Sept. 30.	New assessments.....	101,863	.....	.....
1900.				
Jan. 31.	New assessments.....	47,045	.....	.....
Feb. 28.	" "	14,541	.....	.....
Apr. 30.	" "	20,111	.....	.....
June 30.	" "	34,809	.....	.....
July 31.	" "	3,125	.....	.....
Dec. 31.	" "	125	.....	.....
		$11,032,111		

TABLE A—Concluded.

1900—ANNEX.

1899.					
Sept. 30.	By abatements		$77,591		
1900.					
Jan. 31.	"	"	31,492		
Apr. 30.	"	"	17,992		
June. 30.	"	"	500		
July 31.	"	"	4,661		
Oct. 31.	"	"	7,417		
Dec. 31.	"	"	75		
			$139,728		

TABLE B.

PERMITS ISSUED FROM JANUARY 1 TO DECEMBER 31, 1900.

Wards.	*New Buildings.*	*Additional Improvements*	*Total.*
1	20	40	60
2	9	18	27
3	1	9	10
4	18	33	51
5	13	9	22
6	189	42	231
7	30	21	51
8	24	25	49
9	20	43	63
10	7	12	19
11	4	12	16
12	12	18	30
13	5	17	22
14	2	11	13
15	10	7	17
16	9	14	23
17	149	33	182
18	292	30	322
19	52	12	64
20	142	22	164
	1,008	428	1,436
21 (Annex)	188	38	226
22 (Annex)	155	36	191
	343	74	417
Total	1,351	502	1,853

BALTIMORE, December 31, 1900.

To the Honorable Judges of the Appeal Tax Court:

GENTLEMEN—Herewith is submitted the report of the Assessors' Department for the year ending December 31, 1900.

Tabular Statement "C" exhibits by wards the number of new buildings and additional improvements assessed by this department, the wards in which they are severally located, and the detailed and aggregate valuation put upon same.

Table "D" shows the increased assessments on real estate, new and increased assessments on personal property, and securities that have been assessed by this department and reviewed by your Honorable Court, for the fiscal year ending December 31, 1900.

Table "E" shows the number of appeals filed on real estate, the number dismissed and granted, also the amount of abatements allowed.

Respectfully submitted,

J. H. MORGAN PAYNE,
Chief Assessor.

TABLE C.

NEW BUILDINGS, ADDITIONAL IMPROVEMENTS AND ASSESSED VALUATIONS, JANUARY 1, TO DECEMBER 31, 1900.

Ward.	*New Improvements.*	*Additional Improvements.*	*Value.*
1	10	26	$9,840
2	11	24	193,725
3	3	6	2,000
4	13	25	65,700
5	9	8	66,600
6	259	49	213,580
7	11	26	11,375
8	38	20	88,500
9	32	37	1,383,350
10	1	8	208,400
11	5	7	11,300
12	63	19	147,950
13	5	14	47,350
14	1	7	2,625
15	15	8	38,450
16	9	17	18,350
17	127	33	120,975
18	199	14	131,325
19	259	14	211,891
20	109	13	91,300
21	180	22	328,810
22	101	33	177,375
Total	1,460	430	$3,570,771

SUBURBAN RATE OF 60 Cents.

Ward.	*New.*	*Additional.*	*Value.*
21	12	8	$25,590
22	4	5	8,700
	1,476	443	$3,605,061

TABLE D.

INCREASED ASSESSMENTS ON REAL ESTATE, NEW AND INCREASED ASSESSMENTS ON PERSONAL PROPERTY AND SECURITIES FOR THE FISCAL YEAR ENDING DECEMBER 31, 1900.

Wards.	Number Real.	Amount Assessed.	Number Personal.	Amount Assessed.	Amount Securities Assessed.
1	20	$2,663	38	$33,829	....
2	.....	.....	182	230,087	$35,130
3	.....	.....	62	22,222	.....
4	2	2,600	66	50,838	7,600
5	.....	.....	89	99,545	31,995
6	704	157,776	19	7,767	1,000
7	10	984	19	10,450	5,740
8	.....	.....	53	34,135	456,382
9	150	2,338,916	596	1,571,083	17,591,550
10	50	442,795	162	276,816	16,620
11	5	16,677	46	27,896	52,272
12	14	7,050	30	13,685	392,298
13	.....	.....	75	170,465	16,922
14	.....	.....	14	21,975	95,403
15	.....	.....	69	1,064,581	12,070
16	.....	.....	36	47,540	.. ..
17	2	717	26	23,798	..... .
18	1	6,500	9	18,175	....
19	242	74,711	6	2,875	11,400
20	169	49,284	17	5,260	13,360
21	514	228,569	8	572,555	68,240
22	238	114,539	6	4,972	50,730
	2,121	$3,443,781	1,628	$4,310,549	$18,858,712
		SUBURBAN RATES 60 Cents.			
21	183	96,579	.....	....	.....
22	14	575,243	....	.....	.....
Total...	2,318	$4,115,603	1,628	$4,310,549	$18,858,712

TABLE E.

APPEALS FILED FOR ABATEMENTS FOR THE YEAR ENDING DECEMBER 31, 1900.

Wards.	Number of Appeals.	Number Dismissed.	Number Granted.	Amount Abated.
1	11	5	6	$1,150
2	26	16	10	1,700
3	36	15	21	7,406
4	76	27	49	20,516
5	92	27	65	11,580
6	139	38	101	14,362
7	58	38	20	2,897
8	45	27	18	6,690
9	35	18	17	28,834
10	25	6	19	6,258
11	49	25	24	6,321
12	88	38	50	20,750
13	44	13	31	9,512
14	50	16	34	6,147
15	17	10	7	1,833
16	17	5	12	3,326
17	7	4	3	700
18	55	25	30	4,277
19	45	21	24	4,782
20	44	34	10	2,100
21	86	55	31	12,667
22	82	50	32	9,299
Totals.	1,127	513	614	$183,107

TABLE F.

Table below shows the Mortgage Basis in interest. December 31, 1900, the 8 per centum due the city upon the mortgage interest is not yet collected.

1898	$183,262
1899	159,640
1900	592,501
	$935,403

TABLE G.

Refunds.

The following money was refunded by order of the Appeal Tax Court for taxes paid in error, for payments made twice on the same property, on wrong property or on old buildings torn down, and also on the new improvements, for the fiscal year ending December 31, 1900.

January	$950 32
February	50 81
March	603 62
April	90 22
May	95 95
June	255 59
July	270 47
August	82 38
September	74 66
October	687 57
November	62 28
December	100 78
	$3,324 65

TABLE H.

Plants.

The exemption from city taxes for manufacturing plants for 1900, amounted to the following:

Firms and individuals	$2,260,979
Incorporated companies	3,332,291
Total	$5,593,270

Transfers.

From January 1 to December 31, 1900, this department made 4829 transfers of real estate in the 22 wards or assessment districts of the city.

TABLE I.

APPROPRIATIONS AND DISBURSEMENTS.

Salary Account.

Appropriation	$17,050 00
Salaries paid	16,863 34
Balance	$186, 66

Expense Account.

Appropriation	$1,625	
Additional	143 75	$1,768 75
Expenditures		1,766 00
Balance		$ 2 75

Refund Account.

Appropriation	$6,000 00
Refunds ordered paid	3,324 65
Balance	$2,675 35

Appropriation for biennial assessment $100 not used.

SEVENTY-SECOND ANNUAL REPORT

—— OF THE ——

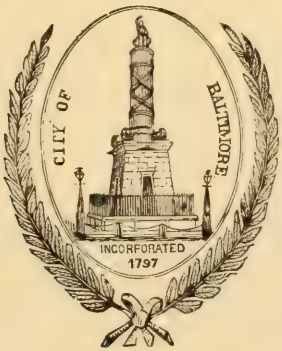
BOARD OF SCHOOL COMMISSIONERS

——TO THE——

MAYOR AND CITY COUNCIL OF BALTIMORE,

——FOR THE——

Fiscal Year Ending December 31, 1900



BALTIMORE:
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS.

1901.

BOARD OF SCHOOL COMMISSIONERS.

ORGANIZED MARCH 1st, 1900.

Name.	*Address.*	*Term Expires*
JOSEPH PACKARD, *President*	207 N. Calvert Street	1906
DANIEL C. GILMAN	Johns Hopkins University.	1902
THOMAS S. BAER	818 Equitable Building	1906
ALCAEUS HOOPER	710 Merchants Bank Bld'g.	1902
CHARLES H. EVANS	600 Water Street	1902
ALBERT B. CUNNINGHAM	"Office Morning Herald"	1904
WILLIAM ROSENAU	2114 Bolton Street	1904
JAMES H. PHILLIPS	24 E. Lombard Street	1906
Mrs. SAMUEL D. SCHMUCKER	1712 Park Avenue	1904

OFFICERS.

JAMES H. VAN SICKLE.....Superintendent.
HENRY A. WISE.....1st Asst. Superintendent.
JOHN E. McCAHAN.....2d Asst. Superintendent.
HENRY M. COWLES.....Secretary.
FRANK N. CLARIDGE.....1st Asst. Secretary.
HENRY C. BUCKMASTER.....2d Asst. Secretary.
BENJ. B. OWENS.....Supervisor of School Buildings.
GEO. W. McGILL.....Clerk to Supt's and Supervisor.
FLORA M. PFOUTZ.....Stenographer.

Board of Commissioners of Public Schools.

FOR JANUARY AND FEBRUARY 1900.

OFFICERS:

PRESIDENT.....CHAS. H. GATCH.
SECRETARY.....CHAS. H. BOND.
SUPERINTENDENT.....HENRY A. WISE.
ASSISTANT SUPERINTENDENT.....JOHN E. McCAHAN.
ASSISTANT SECRETARY.....GEO. W. McGILL.
SUPERINTENDENT OF SUPPLIES.....JAS. F. MORGAN.

MEMBERS OF THE BOARD.

HON. WM. T. MALSTER, MAYOR, (TO NOV. 15, 1899,) AND HON. THOMAS G. HAYES.

Ward.	Name.	Address	Term Expires.
1.	EDWIN J. GRIFFIN	2212 E. Pratt St	*1900
2.	GEO. RAUH	1733 Eastern Ave	1900
3.	EDWARD ESSLINGER	1514 E. Baltimore St	1900
4.	J. J. VALENTINI	1002 E. Pratt St	1900
5.	HENRY J. BENTZEL	710 Aisquith St	1900
6.	ADOLPH P. SCHUCH	1939 Orleans St	1900
7.	EDWARD BRADY	1839 N. Caroline St	1900
8.	JOHN T. FOLEY	4 Light St	1900
9.	MICHAEL SHEEHAN	8 Light St	1900
10.	JOHN J. FAUPEL	231 N. Howard St	1900
11.	WM. W. DIX	836 N. Eutaw St	1900
12.	G. LANE TANNEYHILL, M.D	1103 Madison Ave	1900
13.	HARRY K. MULLER	202 W. Lexington St	1900
14.	CHAS. H. GATCH	507 N. Arlington Ave	1900
15.	CHAS. H. HEINTZMAN	922 S. Charles St	1900
16.	JOHN A. JONES	526 W. Barre St	1900
17.	BENJAMIN F. HISS	11 E. Randall St	1900
18.	IRWIN H. ELDERDICE, M.D	721 Columbia Avenue	1900
19.	M. H. CARTER, M.D	1800 W. Baltimore St	1900
20.	COLUMBUS C. ISAACS	702 N. Carrollton Ave	1900
21.	HENRY F. NEW	West Arlington	1900
22.	W. EDWIN PEREGOY	26 W. Twenty-fifth St	1900

*Under New Charter entire new Board succeeded old Board March 1st, 1900.
The officers and members whose names appear above, held the positions there designated until the end of February, when they were succeeded by the present Board.

REPORT

—OF THE—

BOARD OF SCHOOL COMMISSIONERS

OF BALTIMORE.

OFFICE OF THE BOARD OF SCHOOL COMMISSIONERS,
COR. MADISON AND LAFAYETTE AVENUES.

BALTIMORE, January 1, 1901.

HONORABLE THOMAS G. HAYES,
Mayor of the City of Baltimore:

SIR—The Board of School Commissioners respectfully submits the seventy-second annual report of the condition of the public schools, showing the transactions of the Board for the year ending December 31, 1900.

The present Board, having taken the oath of office during the month of February, met for organization on the first day of March, 1900. In accordance with the provisions of the law, they then proceeded to draw lots to determine their respective terms of service, and the drawing resulted as follows:

Messrs. Gilman, Hooper and Evans, each two years.

Messrs. Cunningham and Rosenau and Mrs. Schmucker, each four years.

Messrs. Packard, Baer and Phillips, each six years.

The Board elected the following officers:

Henry M. Cowles, Secretary; Frank N. Claridge, First Assistant; Henry C. Buckmaster, Second Assistant; Benjamin B. Owens, Supervisor of School Buildings.

The room in the City Hall, formerly assigned to the Board of School Commissioners, was taken some time ago as an addition to the offices of the Collector of Taxes, and the former Board had been in the habit of meeting in one of the Council chambers, an arrangement not well suited to so small a Board as that created by the New Charter. The quarters in the City Hall assigned to the Secretary and Superintendent were entirely too small for their proper accommodations, and were needed for the uses of other departments. The building belonging to the city on the corner of Madison and Lafayette avenues seemed to furnish adequate accommodations for this Department, and your Honor, having approved the selection, gave orders to the Inspector of Buildings to repair and furnish the building in such a manner as to meet the requirements. The building has been found by experience to be admirably adapted to the purposes of the Department, and has the further advantage that the large number of ladies who have business with the Department can attend to it more conveniently at this place than at the City Hall.

It was manifest to the members of the Board, on examination of the law under which they were appointed, that it contemplates a radical difference in the system of administration of the schools from that which has been in force in the city for many years. Under the old system each school was under the control of its local committee, and this resulted in a lack of co-ordination of the schools as a whole. It is obvious that the present law intends the Board of Commissioners to be the central governing authority, but to leave the regular administration of the school to experts "having experience in the management of schools," whom, under the name of Superintendents of Public Instruction, the law authorizes the Board to appoint.

After careful consideration the Board, on the 17th of April, elected Mr. James H. Van Sickle, of Denver, as Superintendent of Public Instruction, retaining the valuable services of Mr. Henry A. Wise, as First Assistant, and John E.

McCahan as Second Assistant. Not one of the members of the Board had known or heard of Mr. Van Sickle at the time he was first thought of for the place, but his name was suggested to the Board by persons of high authority in educational matters, and their opinion of him was confirmed by further inquiry and by personal interview with Mr. Van Sickle. He has entered upon his work in such wise that the Board is entirely satisfied that his services will be of great value to the city.

In adapting the new system to the management of the schools many changes in the rules formerly applicable have been found necessary, and while this at first unavoidably caused misunderstandings, yet the Board is glad to report that at present the schools are working well and smoothly under the new order of things.

The Board determined in regard to the furnishing of books and stationery for the schools that the system of awarding contracts formerly prevailing should be changed so as to put all bidders on as equal a footing as possible. The former method was to award contracts for such books and stationery as might be required and leave to the principals of the schools to order from the contractors the amounts that might be needed from time to time. Instead of this the Board thought it best to obtain requisitions from the principals in advance for the probable amounts needed and then invite bids for given amounts of each article. The new plan has resulted in a considerable saving to the city, as will more fully appear from the report of the Committee on Accounts, the average percentage of discounts from list prices on books being at least five per cent. more than that obtained heretofore. In this case also owing to some misunderstanding incident to the adoption of the new plan, there has been some delay in supplying the schools with the required amounts of books and stationery, but the new method being now fully understood, the Board is confident that no trouble of the sort will hereafter occur and is confirmed in the opinion that the change is in the interest of the city.

TRAINING SCHOOL FOR TEACHERS

A training school for teachers was suggested by the former superintendent of public instruction ten or fifteen years ago. The advantage of such schools cannot be questioned, and the experience of other cities of this country having a population of one hundred thousand or more has shown their great utility. The members of the Board have earnestly desired ever since their appointment, that some way might be found to inaugurate such a school, but were apprehensive that the question of expense might prove a serious obstacle. Lately it was found that by a concurrence of favorable circumstances the school could be started for the first year at an expense of little over $3,000, and arrangements have been made for its opening early in January, 1901.

PRIMARY SCHOOLS.

Statistics show that about one-half the pupils who enter the public schools never advance beyond the primary grades, and it is the earnest desire of the members of the Board that everything shall be done to make the instruction in these grades as efficient as possible. It is hoped that in the near future arrangements may be made for more thorough inspection and visitation of these schools, and that changes may be made in the course of study, which, while relieving the pupils of any unnecessary burden of study, may make their work of higher educational value.

VISITORS.

As directed by the Charter, the Board has appointed visitors for nearly all of the schools, and will complete these appointments at an early date. It has endeavored to be careful to select persons having prudence and discretion, as well as a warm interest in the welfare of the schools. The Board has already received from many of these visitors helpful suggestions. This is particularly true of the visitors to the Polytechnic Institutes and to the Baltimore City College.

CITY COLLEGE.

In regard to the City College, it may be said that the expenditure of $15,000, authorized by the City Council for furniture, has been made, and that the institution is now well equipped for its important work.

The Public School Library, now housed in the third story of the City College, is no longer needed for the purpose for which it was founded, since the Pratt Library furnishes a much larger collection of books on the theory and art of teaching than could be furnished by the School Library without greatly increasing its expenditure for new books. Accordingly this library has been assigned as the library of the City College under charge of one of the students, but is still accessible to the teachers. The saving thus effected is not less than $1,300 per annum.

A library for the Western High School has been started by its alumnæ, and it is hoped that within a short time suitable working reference libraries may be established at each Grammar School.

INCREASED ACCOMMODATIONS.

The Board has been accorded by the Committee on Education of the City Council and by the Board of Estimates a patient hearing as to the need of the city for new school buildings. It is scarcely necessary to reiterate what has been said so often on this subject. Many of the rented buildings now in use are entirely unsuited for school buildings, since they lack proper light, proper ventilation, proper sanitary appliances and sufficient yard room. For any future needs it is almost impossible to obtain buildings at all suited for school purposes. It would be in the end sound economy for the city to own all its school buildings, and this not only because the rent at present paid would be sufficient to pay the interest on the cost of such buildings, but because in properly constructed buildings improved administration would result in a decrease

in the cost per pupil of the instruction. Taking a period of ten years the average annual increase in school attendance is 1,400, which would require for its accommodation three twenty-room school houses in every two years. No school house has been built in this city since 1897, and this is the reason why the pressure for school accommodations is greater then ever before.

SCHOOL STATISTICS.

The whole number of schools of various grades during the year was 178, under charge of 1,622 teachers, classified in the manner which will appear in the report of the Superintendent. (See Superintendent's Report).

In addition to the above there are 54 special teachers, two of whom are superintendents of music, 16 are teachers of drawing, 27 are teachers of sewing, and 9 are teachers of physical culture.

The Superintendent's Statement shows that the total number of enrolled pupils, as of December 7th, 1900, was 64,720. The average attendance was 54,403, and the whole number who attended school during the year was 90,823.

The whole number of non-resident pupils in the public schools during the year was 202.

The amount received for tuition fees was $2,707.90, as follows:

Baltimore City College	$ 512 50
Polytechnic Institute	487 50
Girls' High Schools	240 00
Boys' Grammar Schools	639 00
Girls' Grammar Schools	344 00
Boys' Primary Schools	44 00
Girls' Primary Schools	46 00
English-German Schools	101 00
Formerly Annex Schools	285 90
Colored Schools	8 00
	$2,707 90

The average annual salary of the teachers during the year was $585.74, and the average per capita cost of the pupils in the schools, based on the enrollment and total current expenses, was $18.58, and in the several grades was as follows:

Baltimore City College	$69 42
Girls' High Schools	37 19
Boys' Grammar Schools	20 52
Girls' Grammar Schools	15 56
Boys' Primary Schools	15 32
Girls' Primary Schools	15 72
English-German Schools	16 87
Polytechnic Institute	93 91
Colored Polytechnic Institute	108 42
Colored High School	44 35
Colored Grammar Schools	21 22
Colored Primary Schools	14 73
Schools in Annex	16 59

The estimate submitted by our predecessors for the current expenses for the schools for the year 1900 was $1,312,326.97.

The total appropriations made by the City Council amounted to $1,259,794.47, and the total amounts paid for current expenses of the schools were as follows:

For Office Salaries	$ 8,446 06
For Office Expenses	1,497 78
For Day School Salaries	1,091,645 59
For Day School Expenses	98,951 79
For Night School Salaries	2,858 35
For Night School Expenses	163 36
For Furnishing B. C. College	12,736 09
For Probationary Teachers of 1899	4,401 00
	$1,220,700 02

The receipts for current expenses were as follows:

From City Collector, taxes	$ 998,996 80
From State Treasurer, taxes	265,579 04
From non-resident pupils	2,707 90
From interstate estates	822 16
From the sales of old materials	298 78
From Teachers furnishing no substitute and other refundments	1,859 67
Total	$1,270,264 35

There are 128 houses occupied by the schools, of which 102 are owned by the city, and 26 rented.

The amount paid for rented houses during the year was $13,614.28.

Ninety-eight vacancies have occurred in the teaching force since March 1, 1900, some by death of teachers who had long rendered useful service to the community; some by resignation, and two by dismissal.

Professor Henry S. West has been elected Principal of the Western High School in place of Professor Andrew S. Kerr, deceased, and Professor S. E. Foreman has been elected to the Baltimore City College in place of Professor J. Newman Hank, deceased. One teacher of German has been appointed in the Western High School as the result of a competitive examination, and a new teacher for the Eastern and Western High Schools conjointly has also been appointed. In compliance with the requirements of the law a competitive examination was held in September, 1900, for teachers in the ordinary teaching force. Seventy persons attained the required standard in this examination and constitute the present eligible list. Of these the thirty highest on the list have been in service as a corps of substitutes to supply the places of teachers temporarily absent from sickness or other causes; one of them has been elected as teacher in the colored schools to fill a vacancy, and this is the only case, exclusive of the teachers in the City College and High Schools mentioned above, where the present Board of School Commissioners has elected a teacher.

The Board cannot close this report without acknowledging the courteous and considerate treatment which it has received at your hands, and from all the departments of the city government; nor without expressing its appreciation of the faithful services of its officers and the Superintendent of Public Instruction.

I have the honor to be,

Very respectfully yours,

JOSEPH PACKARD,

President of the Board of School Commissioners.

In Memoriam.

The Board here records the names, with the date of death, of the teachers on the rolls of the public schools who have died during the year. Their families may well take comfort in the assurance that their faithful and efficient service is remembered with gratitude and appreciation by their pupils, their associates, and their co-workers in the cause of public education.

March 7, Miss Dora M. Varian,
Assistant in English-German, Primary No. 6.

July 8, Mr. Albert F. Wilkerson,
Principal of Male Grammar No. 17.

July 21, Mr. Andrew S. Kerr,
Principal of the Western High School.

Aug. 13, Miss Sarah Murphy,
Assistant in Male Primary No. 36.

Aug. 23, Miss Mary C. Bandell,
Assistant in English-German No. 6.

Oct. 11, Mr. Henry B. Gwynn,
Principal of Male Grammar No. 1.

Oct. 16, Mr. James C. Johnson,
Assistant in No. 113.

Dec. 8, Miss Grace S. Matthews,
Assistant in No. 105.

Secretary's Statement

—OF—

ACCOUNTS OF THE PUBLIC SCHOOLS IN 1900.

The items under which the expenditures for the public schools for 1900 were classed in the Comptroller's accounts, and for which the appropriations were made, were as follows, together with the appropriation and expenditure for each item:

For Office Salaries.

Amount appropriated	$10,620 00
Amount expended	8,446 06
Unexpended balance	$2,173 94

For Office Expenses.

Amount appropriated	$1,500 00
Amount expended	1,497 78
Unexpended balance	$ 2 22

For Day School Salaries.

Amount appropriated	$1,120,035 95
Amount expended	1,091,645 59
Unexpended balance	$ 28,390 36

For Day School Expenses.

Amount appropriated	$102,921 92
Amount expended	98,968 15
Unexpended balance	$ 3,952 77

For Night School Salaries.

Amount appropriated	$4,470 00
Amount expended	2,858 35
Unexpended balance	$ 1,611 65

For Night School Expenses.

Amount appropriated	$500 00
Amount expended	147 10
Unexpended balance	$352 90

For Furnishing Baltimore City College.

Amount appropriated	$15,000 00
Amount expended	12,723 91
Unexpended balance	$2,276 09

Probationary Teachers of 1899.

Amount appropriated	$4,746 60
Amount expended	4,401 00
Unexpended balance	$ 345 60

Free Text-Books.

The amount received from the State for free text-books is received as of August 1, and any amount remaining December 31, of any year is carried forward into the next year and does not lapse, as in the case of the appropriations made by the Mayor and City Council. The amount of this fund brought forward from 1899 was:

For account of white schools	$ 6,536 51
Amount received from the State August 1, 1900	45,077 01
	$51,613 52
Amount expended in 1900	4,545 15
Unexpended balance	$47,068 37

On Account of Colored Schools.

Amount brought forward from 1899	$5,946 26
Amount received August 1, 1900	7,622 77
Unexpended balance	$13,569 03

The large balance brought forward from 1900 is due to the fact that the main bills for text-books were not ready for payment before the end of the year.

Estimates for 1901.

For the current expenses by the School Board:

Amount for salaries of office	$10,000 00
Amount for expenses of office	1,500 00
Amount for salaries of day schools	1,109,642 28
Amount for expenses of day schools	92,000 00
Amount for salaries of night schools	7,060 00
Amount for expenses of night schools	940 00
Amount for furnishing Baltimore City College	5,000 00
Total	$1,226,142 28

It is gratifying to know that the above amounts were approved by the Board of Estimates and appropriated by the Mayor and City Council without any reduction.

For number of non-resident pupils, and the amount received from them; the per capita cost of pupils and the average salary of teachers, see the President's report.

The following tables show:

Table A—Itemized expenditures of the several schools.

Table B—The location of schools, size of lots, amount of ground rents, etc.

Table C—Rented buildings, by what schools occupied, amount of rentals, etc.

HENRY M. COWLES, *Secretary.*

TABLE A.—Showing Itemized Expenditures of Each School.

In Whose Name.	Salaries.	Rents.	Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, Etc.	Free Books.
Office	$ 8,446 06		$185 37	$46 35	$186 30		$91 56	$ 935 81	
General Expenses	9,852 83	$203 32	691 17		304 95	124 51	4 00	7,774 36	$40 87
Regular Substitutes	2,140 84								
Emergency "	691 00								
Public School Library		75 00			12 00	1 37	122 00	300 34	20 22
" Drawing	9,079 15								
" Sewing	14,466 70								
Baltimore City College	36,196 42		226 69	10 15		935 16	21 98	754 93	231 49
Eastern High School	14,628 00		191 67	14 58		913 47	19 20	85 66	
Western "	17,674 60		121 12			401 42	14 50	116 98	
Physical Training	6,242 64								
Baltimore Poly. Inst	22,399 05		606 82			585 35	195 95	1,931 10	107 29
Colored "	6,240 00			32 99		180 92	13 09	689 11	
Furnishing B. C. C					12,723 91				
	$148,057 29	$278 32	$2,022 84	$104 07	$13,227 16	$3,142 20	$482 28	$12,588 29	$399 87

Male Grammer	No. 1.	$ 4,626 00	.....	$ 65 19	$49 03	.....	$352 35	$ 23 80	$ 19 19	.....
" "	" 2.	7,654 90	$200 00	80 55	1 75	$25 00	220 03	6 80	129 21	.....
" "	" 3.	4,000 00	.....	77 22	.....	.....	377 38	8 15	115 33	$ 87 69
" "	" 4.	6,624 00	.....	225 83	31 72	.....	163 05	20 40	16 00	.....
" "	" 5.	5,704 75	.....	110 46	28 15	31 68	249 85	33 63	3 70	21 83
" "	" 6.	6,522 00	.....	5 70	.....	.....	397 73	31 41	7 25	.....
" "	" 7.	8,172 00	.....	257 78	11 08	.....	184 14	1 50	60 07	38 95
" "	" 8.	7,692 00	300 00	32 61	.....	.....	246 75	35 29	11 30	.....
" "	" 9.	4,065 25	540 00	52 41	33 25	.....	195 33	75 96	54 34	.....
" "	" 10.	7,027 45	45 00	181 76	58 77	11 05	151 70	350 40	10 40	.....
" "	" 11.	6,918 45	.....	167 26	9 50	10 00	289 62	35 10	5 56	.....
" "	" 12.	6,928 05	.....	35 50	3 75	47 75	291 49	149 54	.....	.....
" "	" 13.	3,932 00	.....	89 41	22 59	.....	65 50	31 09	.....	13 05
" "	" 15.	7,779 75	.....	298 72	8 75	.....	295 27	.....	3 88	.....
" "	" 16.	6,701 25	.....	94 46	4 00	19 00	233 72	8 50	22 95	122 34
" "	" 17.	6,558 25	.....	74 84	21 25	.....	142 50	16 16	32 46	.....
" "	" 18.	6,487 25	.....	117 58	.....	.....	157 09	4 06	.....	.....
" "	" 19.	6,838 80	.....	138 31	.....	.....	187 17	1 00	26 13	50 61
" "	" 20	13,123 41	300 00	426 99	23 73	12 50	565 68	8 00	5 00	.....
" "	" 21.	6,713 50	.....	13 20	73 23	11 00	129 77	10 71	18 65	.....
" "	" 22.	3,411 75	.....	43 50	.....	5 00	214 50	39 09	10 21	32 68
Total	.....	$137,480 81	$1,385 00	$2,589 28	$380 55	$172 98	$5,170 68	$890 50	$551 63	$367 15

TABLE A—Continued.

In Whose Name.	Salaries.	Rents.	Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Advertising, Printing and Incidentals.	Free Books.
Female Gram'r No. 1.	$5,293 50	.....	$ 29 36	.....	.....	$337 79	$ 3 12	$33 26	$ 40 66
" " " 2	6,545 25	200 00	129 14	.....	.....	215 10	.....	57 20	.....
" " " 3.	7,079 80	.....	81 00	.....	.....	318 31	.....	99 00	.....
" " " 4.	5,331 00	.....	44 51	31 74	26 56	173 55	9 62	26 93	.....
" " " 5.	4,687 75	.....	121 06	30 91	.....	346 61	3 93	28 47	109 97
" " " 6.	6,158 00	.....	79 74	28 40	.....	312 59	88 19	6 00	.....
" " " 7.	7,092 00	.....	213 43	11 08	2 50	180 53	5 00	60 23	79 03
" " " 8.	6,473 50	300 00	66 32	.....	.....	246 73	38 30	37 63	.....
" " " 9.	230 50	250 00	.....	3 45	.....	28 87	8 25	14 26	36 89
" " " 10.	6,534 50	125 00	240 45	58 78	.....	146 20	309 85	41 70	61 23
" " " 11.	6,294 45	.....	149 14	9 50	.....	289 14	30 96	30 50	196 02
" " " 12.	5,648 00	.....	20 08	.....	.....	273 73	148 93	.....	.....
" " " 13.	4,728 66	.....	199 98	22 59	.....	65 50	6 90	19 84	.....
" " " 15.	8,350 15	.....	217 86	6 25	.....	628 50	.....	25 32	.....
" " " 16.	5,966 00	.....	64 23	4 00	12 00	230 48	17 00	24 90	97 15
" " " 17.	5,195 00	.....	88 05	32 91	.....	142 50	16 71	52 81	.....
" " " 18.	5,442 00	.....	68 55	.....	.....	151 59	75	27 81	.....
" " " 19.	5,592 00	.....	44 28	.....	.....	187 17	1 50	30 30	.....
" " " 20.	6,788 00	375 00	.....	30 75	12 50	552 95	19 82	10 30	.....
" " " 21	6,609 75	.....	40 58	67 23	10 75	121 59	5 73	62 14	.....
Total.....	$116,039 81	$1,250 00	$1,897 76	$337 59	$64 31	$4,949 43	$714 50	$688 60	$620 95

English-German No. 1	$ 8,190 00	.....	$ 63 45	$ 25 00	$11 20	$539 83	$10 30	$44 88	.....
" " " 2	15,759 00	.....	382 52	143 75	15 75	525 56	56 62	116 74	$78 40
" " " 3	22,440 20	$960 00	336 85	22 10	4 75	516 10	97 28	33 27	134 88
" " " 4	18,234 20	.....	178 57	7 73	10 88	912 16	15 00	57 77	.....
" " " 5	16,320 85	.....	159 37	.....	.....	203 02	1 00	40 64	104 48
Eng.-Ger. Gram. No. 6	11,913 40	.....	173 65	32 50	.....	458 55	51 30	28 47	14 40
" " Prim. No. 6	4,738 20	600 00	140 08	67 26	.....	117 40	15 15	5 50	90 18
" " " 7	9,695 00	2,069 96	141 92	51 55	.....	251 18	79 39	17 53	166 53
	$107,290 85	$3,629 96	$1,576 41	$349 89	$42 58	$3,523 80	$326 04	$344 80	$588 87

TABLE A—Continued.

In Whose Name.	Salaries.	Rents.	Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, Etc.	Free Books.
Boys' Primary No. 1	$4,445 00	.....	$88 57	.....	$56 05	$333 10	$22 16	$2 37	.....
" " " 2	2,927 00	.....	30 42	$39 68	.....	87 92	22 28	.....	.....
" " " 3	6,407 40	$600 00	92 93	17 50	.....	5 35	13 23	.....	$42 51
" " " 4	3,795 40	.....	115 37	127 60	.....	429 69	.....	137 03	12 00
" " " 5	4,548 25	.....	132 70	22 73	.....	381 07	28 00	.....	.....
" " " 6	4,037 35	.....	92 46	35 72	10 00	113 96	6 97	43 86	.....
" " " 7	2,413 95	.....	51 76	2 07	25 28	243 80	8 18	61	20 13
" " " 8	3,296 00	.....	15 06	50 09	.....	125 43	3 24	.....	4 33
" " " 10	2,303 00	.....	35 16	12 40	12 50	73 01	7 65	49	31 99
" " " 11	6,813 80	.....	67 81	3 62	.....	253 21	1 75	.....	.....
" " " 12	4,218 00	25 00	69 43	23 78	15 75	149 40	325 47	.....	65 64
" " " 13	2,926 20	.....	47 71	1 55	.....	452 92	14 77	2 75	.....
" " " 14	3,549 00	.....	30 41	4 80	.....	149 38	73 55	2 47	18 14
" " " 15	5,042 25	.....	84 67	29 38	.....	54 09	3 20	.....	52 06
" " " 16	3,863 25	.....	39 41	7 48	.....	276 07	16 29	1 24	.....
" " " 17	3,260 00	.....	21 36	47 45	8 00	154 36	39 53	10 66	6 00
" " " 18	2,706 75	.....	26 20	23 97	.....	59 59	.....	5 02	.....
" " " 19	2,190 00	.....	34 74	.....	.....	90 84	10 78	1 37	.....
" " " 20	9,764 80	.....	164 80	30 77	18 70	497 47	.....	18 63	.....
" " " 21	3,660 00	.....	61 38	117 30	21 75	56 21	29 55	6 75	.....
" " " 22	4,280 40	.....	36 86	28 88	15 00	172 96	28 93	2 31	.....
" " " 23	4,373 60	.....	100 35	2 83	.....	228 60	22 50	48 75	7 20
" " " 24	3,991 55	.....	25 19	.....	.....	199 48	.....	2 75	.....
" " " 25	4,900 50	.....	33 09	10 21	.....	222 31	54 62	.....	.....
" " " 26	2,730 00	.....	40 10	15 69	12 38	81 44	25 59	10 30	.....
" " " 27	4,166 90	.....	71 86	40 60	23 35	76 78	11 15	8 02	9 64

Boys' Primary No. 28	4,188 75	....	76 28	47 59	6 00	98 73	8 43	20 50	....
" " " 29	2,663 25	.....	65 74	5 92	19 00	300 56	....	....	....
" " " 30	7,042 05	....	136 25	....	21 80	371 03	....	9 20	....
" " " 31	3,865 80	....	397 85	....	....	198 68	....	....	45 69
" " " 32	4,291 50	90 00	123 18	2 85	....	174 93	15 12	2 75	115 54
" " " 33	4,563 00	....	105 06	....	25 00	293 91	3 75	5 00	14 40
" " " 34	3,409 65	....	49 49	....	....	126 82	15 81	....	48 96
" " " 35	3,005 25	....	33 38	....	15 75	230 60	3 00	....	....
" " " 36	3,284 95	450 00	39 92	30 00	10 35	52 65	11 80	12 00	6 45
" " " 37	3,887 25	....	63 66	....	....	201 57	5 00	3 61	....
" " " 38	2,342 00	....	95 72	9 90	....	39 28	....	2 75	28 11
" " " 39	2,417 25	....	25 66	....	125 00	122 59	75	7 68	7 98
" " " 40	4,970 25	....	190 46	1 40	37 12	357 84	12 18	5 50	....
	$156,541 30	$1,165 00	$3,012 45	$793 76	$478 78	$7,537 63	$845 23	$374 37	$536 77

TABLE A—Continued.

In Whose Name.	Salaries.	Rents.	Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, Etc.	Free Books.
Fem. Primary No. 1..	$4,460 75	.....	$ 38 11	.....	.....	$318 79	.....	$ 21 89	.....
" " " 2..	4,108 60	.....	60 80	$ 32 69	.....	87 93	$ 13 65	18 04	$66 31
" " " 3..	2,219 00	.....	75 51	6 25	.....	56 35	3 17	19 29	.....
" " " 4..	4,435 10	.....	58 06	125 00	$18 24	429 69	1 25	149 83	58 52
" " " 5..	5,439 00	.....	51 74	22 73	.....	388 32	29 80	7 04	47 30
" " " 6..	4,177 60	.....	100 63	35 74	18 00	104 10	9 79	25 78	.....
" " " 7..	3,286 00	.....	101 80	2 08	.....	231 30	8 18	6 04	10 95
" " " 8..	2,821 50	.....	4 31	50 10	.....	120 50	9 25	7 70	.....
" " " 10..	2,776 50	.....	12 61	12 40	.....	72 52	8 61	6 90	4 80
" " " 11..	7,087 50	.....	58 06	3 63	.....	238 51	.....	14 76	47 09
" " " 12..	4,349 00	.....	72 72	26 49	4 10	143 90	100 48	8 04	.....
" " " 13..	3,023 25	.....	39 78	.....	.....	443 00	.....	2 75	.....
" " " 14..	3,495 00	.....	19 04	4 80	.....	149 14	49 40	5 89	7 06
" " " 15..	4,719 00	.....	48 90	29 38	.....	54 09	3 95	8 98	51 05
" " " 16..	3,378 80	.....	54 42	.....	.....	276 07	8 75	6 48	.....
" " " 17..	4,208 00	.....	55 86	47 46	.....	145 96	36 15	21 69	.....
" " " 18..	2,540 40	.....	24 82	23 97	.....	54 09	4 00	12 06	.....
" " " 19..	2,268 00	.....	24 39	.....	.....	90 84	15 79	6 62	.....
" " " 20..	8,649 60	.....	224 77	28 33	.....	479 24	8 25	14 13	.....
" " " 21..	2,855 00	.....	29 77	98 29	.....	50 72	22 05	18 26	23 95
" " " 22..	4,132 00	.....	60 81	28 89	16 75	172 96	22 59	9 71	29 24
" " " 23..	4,838 25	.....	128 00	2 84	.....	223 68	20 00	22 16	.....
" " " 24..	3,679 10	.....	45 56	.....	.....	199 48	.....	10 93	.....
" " " 25..	4,313 20	.....	26 11	10 20	.....	212 45	54 63	4 32	60 89
" " " 26..	2,618 50	.....	54 32	16 44	13 00	81 55	6 08	10 62	.....
" " " 27..	4,542 25	.....	58 34	35 61	.....	76 78	27 17	11 79	21 04

"	"	" 28..	4,724 20	.....	104 00	47 61	.....	93 23	.....	21 85
"	"	" 29..	2,509 00	.....	41 77	5 93	.....	294 56	1 25	8 00
"	"	" 30..	6,827 80	.....	109 62	.....	.....	370 04	3 08	12 19
"	"	" 31..	824 00	.....	10 66	.....	.....	.....	.....	3 63
"	"	" 32..	2,888 64	$ 90 00	79 07	2 85	4 75	166 25	5 53	5 20
"	"	" 33..	3,959 00	.....	60 85	.....	28 50	293 91	14 25	5 64
"	"	" 34..	3,206 50	.....	35 96	.....	.....	126 83	15 81	2 78
"	"	" 35..	2,750 00	.....	71 49	.....	.....	197 10	2 50	5 01
"	"	" 36..	2,986 00	450 00	8 27	30 00	.....	52 65	2 00	7 73
"	"	" 37..	3,553 00	.....	70 85	.....	.....	201 57	.....	10 53
"	"	" 38..	2,339 00	.....	72 59	94	.....	39 27	.....	11 06
"	"	" 39..	2,217 00	.....	25 32	.....	124 94	113 09	.....	7 13
"	"	" 40..	4,546 00	.....	123 60	.....	37 00	351 90	9 77	8 53
Totals			$147,751 04	$540 00	$2,343 29	$730 65	$265 28	$7,202 36	$517 18	$561 88	$488 16

TABLE A—Continued.

In Whose Name.	Salaries.	Rents.	Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, etc.	Free Books.
School No. 50	$4,895 60	$169 00	$102 32	61 26	.....	258 38	5 95	.....	.....
" " 51	14,249 45	480 00	271 03	78 20	.....	479 11	30 65	12 00	160 77
" " 52	5,449 00	.....	103 09	34 75	8 00	104 57	5 75	7 00	119 37
" " 53, G	7,480 93	.....	244 27	.....	.....	139 45	8 88	203 55	.....
" " 53, P	5,890 20	.....	112 08	.....	.....	143 98	.....	92 98	.....
" " 54	6,121 00	.....	197 96	.....	.....	192 44	51 38	.....	.....
" " 55, G	6,115 20	.....	157 92	.....	7 50	280 83	12 43	12 70	48 09
" " 55, P	5,931 30	.....	79 98	.....	5 00	270 09	2 78	13 81	.....
" " 56	3,802 00	600 00	63 26	23 48	.....	100 97	3 90	.....	7 22
" " 57	3,697 50	.....	105 75	45 20	10 88	85 69	.....	6 08	56 13
" " 58	6,480 00	.....	111 33	25 19	.....	181 64	.....	30 60	332 72
" " 59	2,950 75	360 00	91 68	25 00	.....	71 70	1 60	.....	.....
" " 60	12,435 50	.....	449 09	.....	.....	357 85	3 51	.....	338 39
" " 61, M. G	5,084 40	.....	89 48	.....	.....	48 75	.....	58 60	.....
" " 61, F. G	4,629 90	.....	105 25	.....	.....	296 37	.....	25 00	28 98
" " 61, P	4,251 00	.....	89 23	.....	.....	289 87	.....	13 00	.....
" " 62	4,345 00	520 00	28 30	52 91	.....	127 95	3 00	.....	.....
" " 63	8,478 00	.....	380 26	.....	42 88	379 70	.....	32 30	153 24
" " 64	1,395 00	360 00	56 69	350 00	.....	119 30	18 67	.....	3 87
" " 65	5,836 20	.....	45 41	.....	.....	128 32	.....	5 50	.....
" " 66	3,320 50	.....	59 88	27 00	16 63	81 20	.....	25 00	53 32
" " 67	3,588 00	.....	124 32	.....	68 15	311 10	3 45	25 00	.....
" " 68	8,548 40	.....	159 40	.....	.....	165 81	2 00	5 50	71 36
" " 69	11,691 85	.....	323 78	2 50	3 00	238 15	57 78	.....	.....
	$146,675 68	$2,489 00	$3,551 76	$725 49	$162 04	$4,849 22	$211 73	$568 62	$1,373 46

Colored High.....	$ 8,205 00	....	$ 51 87	$ 3 30	....	$124 34	$. 5 93	$122 53	$ 47 00
School No. 100, G.....	$ 6,196 90	.....	$ 33 83	.....	.....	$ 91 34	$ 7 24	$ 14 05	.....
" " 101, M.....	2,798 45	.....	43 14	$ 6 38	.....	132 04	13 55	41 98	.....
" " 101, F	2,171 00	....	67 83	6 39	....	131 30	3 80	41 40	.....
" " 102.....	4,768 60	....	80 53	22 66	$7 88	143 44	89 71	9 50	.....
" " 103.....	5,152 00	$330 00	42 06	13 75	....	174 28	3 73	114 56	....
	$21,086 95	$330 00	$267 39	$49 18	$7 88	$672 40	$118 03	$221 49	....
School No. 104, M P..	$ 2,606 31	$ 775 00	$ 10 83	$ 8 65	....	$ 59 18	$ 3 99	.....	.....
" " 105, M.....	4,961 70	....	67 05	36 47	21 50	117 29	5 50	$26 29	.....
" " 106, M.....	5,783 40	....	130 59	....	19 00	378 77	2 50	23 95	$144 07
" " 107, M.....	6,193 57	80 00	46 25	56 87	20 00	226 72	4 31	5 40	.....
" " 108, "	3,187 00	....	6 63	62 59	....	289 27	2 25	43 43	.....
" " 109, "	3,114 60	....	46 92	10 42	....	157 16	23 66	.....	.....
" " 110, "	7,370 30	....	.....	9 27	....	15 92	8 29	26 33	.....
" " 111, "	3,642 93	520 00	123 25	39 16	....	128 96	331 16	6 11	.....
" " 112, "	8,550 00	281 50	12 22	46 38	....	302 68	....	42 53	....
" " 113, "	9,566 20	60 00	210 68	....	....	522 66	303 95	80 57	27 24
" " 114, "	3,750 85	256 00	57 56	14 32	22 00	164 06	15 86	22 50	88 62
" " 115, "	2,559 50	120 00	61 07	34 66	....	87 22	1 00	5 50	.....
" " 104, F. P...	4,491 90	....	15 26	....	....	89 75	....	3 82	....
" " 105, " ...	4,093 00	....	24 31	36 47	....	117 30	5 50	34 40	.....
" " 106, " ...	5,939 45	....	69 52	....	....	378 78	3 00	18 56	55 32
" " 107, " ...	6,489 70	....	41 52	60 88	20 00	222 38	....	16 23	.....
" " 109, " ...	2,420 20	....	47 97	11 18	....	157 16	12 29	4 50	.....
" " 110, " ...	7,518 40	....	76 13	6 50	....	15 92	....	54 67	.....
" " 111, " ...	4,346 65	50 00	78 91	26 53	....	99 64	263 84	6 74	7 48
" " 112, " ...	9,253 35	168 50	94 54	....	....	302 68	....	55 84	55 00
" " 114, " ...	2,464 25	236 00	82 89	14 33	21 00	126 07	....	4 52	58 16
	$108,303 26	$2,547 00	$1,304 10	$474 68	$123 50	$3,959 57	$987 10	$481 89	$435 89

TABLE A – Concluded.

In Whose Name.	Salaries.	Rents.	Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, Etc.	Free Books.
Night School No. 1	$602 00		$95 25						$56 25
" " " 2	392 00		26 54						
" " " 3	304 00		9 83						13 92
" " " 4	186 00		9 90						10 44
" " " 5	355 00		49 76						
C. Night Sch'l No. 101	264 00		14 74					5 00	
" " " 102	222 00								
" " " 107	160 00							4 75	
" " " 113	156 00								
Col. Poly. Inst., Night	217 35								
	$2,858 35		$206 02					$9 75	$80 61

Summary of the Itemized Expenditures of the Several Grades of Schools.

Office	$8,446 06		$185 37	$46 35	$186 30		$91 56	$935 81	
General expenses	$ 9,852 83	$203 32	$691 17		$304 95	$124 51	$ 4 00	$7,774 36	$40 87
Regular Substitutes	2,140 84								
Emergency "	691 00								
Public School Library		75 00			12 00	1 37	122 00	300 34	20 22
" Drawing	9,079 15								
" Sewing	14,466 70								
Baltimore City College	36,196 42		226 69	10 15		935 16	21 98	754 93	231 49
Eastern High	14,628 00		199 67	14 58		913 47	19 20	85 66	
Western High	17,674 60		121 12			401 42	14 50	116 98	
Physical Training	6,242 64								
Baltimore Poly. Inst	22,399 05		606 82			585 35	195 95	1,931 10	107 29
Colored "	6,240 00			32 99		180 92	13 09	689 11	
Furnishing B. C. C					12,723 91				
	$139,611 23	$278 32	$1,845 47	$57 72	$13,040 86	$3,142 20	$390 72	$11,652 48	$399 87
Boys' Gram'r Schools	$137,480 81	$1,385 00	$2,589 28	$380 55	$172 98	$5,110 62	$890 59	$551 63	$ 367 15
Girls' " "	116,039 81	1,250 00	1,897 76	337 59	64 31	4,949 43	714 56	688 60	620 95
English-German "	107,290 85	3,629 96	1,576 41	349 89	42 58	3,523 80	326 04	334 80	588 87
Boys' Primary "	156,541 30	1,165 00	3,012 45	793 76	478 78	7,531 63	845 23	374 37	536 77
Girls' " "	147,751 04	540 00	2,343 29	730 65	265 28	7,202 36	517 18	561 88	488 16
Formerly Annex "	146,675 68	2,489 00	3,531 76	725 49	162 04	4,857 22	211 73	568 62	1,373 46
Col'd High "	8,205 00		51 87	3 30		124 34	5 93	122 53	47 00
Col'd Gram'r "	21,086 95	330 00	267 39	49 18	7 88	672 40	118 03	221 49	
Col'd Primary "	108,303 26	2,547 00	1,304 10	474 68	123 50	3,959 57	987 10	481 89	435 89
Night Schools (white)	1,839 00		191 28						80 61
" (col'd)	1,019 35		14 74					9 75	
	$952,233 05	$13,335 96	$6,780 33	$3 845 09	$1,317 35	$37,931 37	$4,616 39	$3,925 56	$4,538 86
Totals of all expenses	$1,100,290 34	$13,614 28	$18,811 17	$3,949 16	$14,444 51	$41,073 57	$5,098 67	$16,513 85	$4,938 73

TABLE B.

SHOWING THE LOCATION OF SCHOOLS, SIZE OF LOTS, AMOUNT OF GROUND RENTS, AMOUNT PAID ON ACCOUNT OF LOTS, SIZE OF BUILDINGS, ESTIMATED VALUE OF BUILDING AND DATE OF ERECTION.

SCHOOLS.	LOCATION.	Size of Lot.	Amount of Ground Rent.	Amount Paid on Account of Lot.	Size of Buildings.	Estimated Value of Build'g.	Date of Erection.
Baltimore City College	Howard, opposite Centre	208′ x 260	$4,600 00	$50,000 00	155′10″ x 221′	$203,639	1896
E. F. High School	Aisquith and Orleans	102 x 210	540 90	2,651 50	102 x 56	80,000	1868
	Side lot and rear building	39 x 180	75 00	15,000 00	51 x 58	.....	.....
W. F. High School	McCulloh and Lafayette avenue	238′ x 230	.....	70,666 66	86′ x 191′11″	132,000	1895
Polytechnic Instit'e.	Courtland, near Saratoga (old building)	82 x 90	.....	6,437 75	44 x 90	18,000	1868
	Courtland, near Saratoga (new building)	62′6″ x 90	220 00	10,000 00	54 x 90	25,000	1890
	Courtland, near Saratoga (additional lot	37′6″ x 90	.....	10,000 00	.....	.....	.....
Male G. & P. No. 1	N. E. corner Fayette and Greene	97 x 102	204 00	9,000 00	83 x 96′	25,000	1880
Female G. & P. No. 1	S. W. " " " "	77′6″ x 170	1,094 75	.....	62 x 140	27,000	1875
Grammar No. 2	Broadway and Bank	100 x 141	244 41	.....	101 x 39	30,000	1888
	Broadway and Bank (rear building)	.....	.....	.....	52 x 87	.....	.....
G. & P. No. 3	High, near Fayette	80 x 167*	900 00	.....	50 x 145	28,800	1875
Grammar No. 4	Sharp, near Montgomery	100 x 155	675 00	.....	56 x 85	18,000	1869
" " 5	Greenmount avenue and Eager	66 x 150*	600 00	.....	55 x 100	17,000	1872
" " 6	Division, near Lanvale	104′ x 171′	800 00	.....	55 x 120	21,000	1877
" " 7, new	Eastern avenue and Patuxent	145 x 300	1,001 00	.....	80 x 143	50,000	1898
" " 8, old.	Hollins, near Monroe	140 x 129	700 00	.....	54 x 112	18,000	1877
" " 8, new	Hollins and Monroe	Old lot.	.....	.....	55 x 104	21,000	1890

Grammar No. 10	Willliam and Warren avenue	70	x 140	$175 00	.....	44	x 103	$13,000	1850
" 11	Bond and Jefferson	70	x 152[3]	19 00	$8,700 00	56	x 116	20,000	1884
" 12	Ridgely, near Fremont	124	x 155	620 62	.....	73	x 125	25,000	1877
" 13	Aisquith, near Lexington	80	x 180	25 00	17,100 00	44	x 100	17,000	1870
Male Grammar No. 15.	Carrollton avenue, near Lexington	100	x 160[1]	400 00	.....	55	x 107	20,000	1860
Female Gram. No. 15.	Carrollton avenue and Lexington	49[6]	x 103	.....	10,000 00	49	x 135	20,060	1886
Grammar No. 16	Hull and Clement (Locust Point)	100	x 155[3]	350 00	.....	56	x 113	18,000	1882
" 17	Washington, near Fayette	93	x 190	581 25	.....	52	x 119	20,000	1871
" 18	Harlem avenue and Monroe	85	x 249[6]	830 68	.....	56[4]	x 143[6]	30,500	1893
Gram.and Prim.No.19.	Park avenue and Hoffman	120	x 150	1,020 00	.....	100	x 147	35,000	1892
Grammar No. 20	Eden and Federal	180[6]	x 100	.....	8,000 00	60	x 124	33,000	1890
" 21	Presstman and Gilmor	102[5]	x 155	620 00	.....	55	x 121	32,000	1876
" 22	Mulberry, near Fremont	87[8]	x 134	350 67	.....	54	x 85	15,000	1868
Eng-Ger. No. 1, new	Pennsylvania avenue and Dolphin	189x80	(110)	1,147 50	.....	56[4]	x 138	26,000	1893
" 2	Charles and Ostend	74[6]	x 219[2]	372 50	.....	56	x 150	28,000	1882
" 3	Baltimore, near Aisquith	120	x 170	1,300 00	5,000 00	54	x 118	28,000	1879
" 4	Chase and McDonogh	80	x 223	501 75	.....	56	x 183[2]	30,500	1882
" 5	Lexington, near Fremont	81	x 220[6]	.....	15,000 00	60	x 124	25,000	1890
" 6	Ramsay and Smallwood	178[7]	x 165[6]	.....	4,000 00	53	x 135	36,885	1895
Primary No. 2	Gough and Stiles	75	x 92	250 00	3,500 00	32	x 55	9,000	1854
" 4	Hanover and Lee	105	x 81	270 00	4,000 00	92	x 92	35,000	1896
" 5	Broadway and Ashland avenue	120	x 120	600 00	.....	60	x 113	24,000	1876
" 6	Ann, near Canton avenue	63	x 140	157 50	6,800 00	46	x 100	14,800	1878
" 7	Mullikin, near Aisquith	74	x 100	**	.....	45	x 65	5,000	1864
" 8	Caroline, near Lombard	105[5]	x 150	351 34	6,200 00	94[7]	x 59[7]	18,000	1888
" 10	Hollins, near Schroeder	60[7]	x 134	200 00	.....	46	x 70	6,000	1855
" 11	Gilmor and Mosher	126[2]	x 156[10]	757 00	.....	57[9]	x 104	30,000	1886
	Gilmor and Mosher (rear building)	.....	.....	.....	.....	30[7]	x 105[6]	.....	1889
" 12	Barre and Warner	67	x 120	268 00	.....	55	x 74	16,000	1870
" 13	Patterson Park ave. and McElderry	155	x 115	530 00	.....	55	x 105	21,000	1890
" 14	Linden avenue and Wilson	105	x 150	840 00	.....	55	x 117	20,000	1882
" 15	Saratoga and Carrollton avenue	100	x 150	700 00	.....	50	x 120	19,000	1872
" 16	Harford and Ashland avenues	105	x 158*	790 00	.....	56	x 113	19,000	1876

TABLE B—Continued.

Schools.	Location.	Size of Lot.	Amount of Ground Rent.	Amount Paid on Account of Lot.	Size of Building.	Estimated Value of Building.	Date of Election.
Primary No. 17	Light and Poultney	62[1] x 122	$217 00	$800 00	50 x 72	$10,000 00	1875
" " 18	Agyle avenue, near Lanvale	80 x 140	315 00	.....	45 x 68	13,000 00	1858
" " 20	Eden and Preston	100 x 207	592 00	6,000 00	51 x 167	35,000 00	1868
" " 21	Pennsylvania avenue and Robert.	80 x 155	384 00	.....	50 x 80	16,000 00	1869
" " 22	Ramsay, near Scott	71 x 128[6]	177 50	.....	45 x 95	10,000 00	1855
" " 23	Gough and Wolfe	75 x 110	150 00	2,400 00	57[7] x 104	19,000 00	1886
" " 24	Fait avenue and Patuxent	150 x 100	.....	7,500 00	77 x 86	21,000 00	1890
" " 25	Caroline, near Canton avenue	129[6] x 110	....	14,962 50	93 x 90	25,000 00	1892
" " 26	Orleans, near Bond	84 x 75	126 00	4,500 00	50 x 65	15,000 00	1874
" " 27	Fayette and Chester	92 x 120	274 50	.....	48 x 72	18,000 00	1869
" " 28	Battery avenue and Clement	75 x 82	270 00	1,000 00	46 x 82	15,000 00	1869
" " 29	Sharp, near West	114 x 155	570 00	.....	55[7] x 104	21,600 00	1886
" " 30	Hollins, near Monroe	150 x 129[6]	750 00	.....	55 x 82	16,000 00	1874
" " 31	Schroeder and Pierce	60 x 122	228 00	2,500 00	57[1] x 102	21,000 00	1890
" " 32	Guilford avenue and Lanvale	80 x 154	.....	11,800 00	67 x 98	21,000 00	1890
" " 33	Light and Clement	100 x 100	.....	10,000 00	67 x 98	21,000 00	1890
" " 34	Carey and Columbia avenue	100 x 160	385 00	.....	113 x 58	30,000 00	1896
" " 35	Hanover and Winder	132 x 198	.....	6,700 00	48[5] x 114[2]	28,297 00	1895
" " 37	Biddle and Patterson Park avenue.	165 x 150	.....	8,500 00	89 x 61	25,000 00	1896
F. Primary No. 38, old.	Chesapeake and Hudson (Canton).	80 x 100	.....	.....	32 x 50	5,000 00	1853
Primary No. 39	Carrollton and Riggs avenues	97[1] x 157	.....	7,000 00	52[4] x 97[5]	19,000 00	1888
Primary No. 40	Eastern and Montford avenues	100 x 150	350 00	.....	52 x 136	24,000 00	1880
Col. Manual Training.	Fremont, near Lombard	74 x 150	....	1,200 00	44 x 65	8,000 00	1843
H. & G. & F. C. No. 1.	Saratoga, near Charles	66 x 193	600 00	16,000 00	52[3] x 126[4]	25,000 00	1888
Colored Gram. No. 2.	Jefferson, near Caroline	83[6] x 80	200 00	1,350 00	32 x 80	5,000 00	1855
Colored Gram. No. 3.	Howard and Montgomery	50 x 104	120 00	8,000 00	40 x 64	6,000 00	1872
Colored Primary No. 2.	Rogers avenue, near Lexington	75 x 105	25 00	5,125 00	49 x 80	13,000 00	1874

Colored Primary No. 3	Hill, near Sharp	99x90 (155)	$192 00	$11,300 00	76^9 x 133^{11}	$27,000 00	1893
" Male " " 4	Druid Hill avenue, near Biddle	75 x 100	150 00	.....	44 x 100	12,000 00	1841
" Fem. " " 4	Biddle, near Pennsylvania avenue	70 x 150	70 00	5,000 00	40 x 92	10,000 00	1870
" " " 5	Caroline, near Bank	76 x 90	70 00	4,800 00	45 x 65	8,000 00	1867
" " " 6	Barre, near Eutaw	65 x 112	300 00	.....	40 x 80	10,000 00	1854
" " " 7	Waesche, near Fremont avenue	143^9 x 129*	480 00	.....	59 x 120	22,000 00	1877
" " " 8	Bond and Ashland avenue	80 x 80	130 00	.....	40 x 54	7,000 00	1864
New lot for No 8	Ashland avenue and Chester st	133 x 200	959 75	.....	.....	.....	.....
Colored Primary No. 9	Carey and Chappell	135^9 x 142	630 00	.....	109 x 65	40,408 70	1897
" " " 10	Girard ave. and Sherman Place	120 x 124	.....	7,200 00	68^5 x 77^4	23,968 00	1895
Primary No. —	Summit and Monroe	72^4 x 245	.....	9,500 00	.....	.....	.....
Annex No. 1	Homestead, Gorsuch avenue	42 x 90	.....	1,000 00	35 x 50	4,500 00	.....
" " 2	Waverly, York road	100 x 200	.....	4,000 00	35^6 x 90	14,500 00	.....
" " 2	Rear building	.....	.....	.....	50 x 33		
" " 3 Male	Oak and Fifth (Twenty-fourth)	60 x 122	.....	4,000 00	50 x 60	10,000 00	.....
" " 3 Female	St. Paul and Twenty-sixth	100 x 123	.....	10,000 00	100 x 123	60,000 00	1897
" " 4	Chestnut and Fourth avenues	176^8 x 230	.....	5,000 00	55 x 105	21,000 00	1890
" " 5	Hickory avenue near 4th avenue	.....	.....	.....	.....	.....	.....
" " 6	Same as No. 4	.....	.....	.....	.....	.....	.....
" " 7	Woodberry, on Woodberry avenue	45 x 130	22 50	.....	37 x 96	10,000 00	...
" " 8 old	Clifton, on Clifton avenue	40 x 150	.....	2,000 00	40 x 90	4,000 00	.....
" " 8 new	Francis, near Fulton avenue	150 x 150	480 00	.....	64^4 x 105	25,000 00	1893
" " 9	Calverton, Bloomingdale road	75 x 169	.....	1,500 00	60 x 100	15,500 00	1893
" " 10	Carroll, old Frederick road	60 x 225*	360 00	2,000 00	52 x 27	4,500 00	.....
" " 11	Millington avenue and Lehman	80 x 200*	290 00	.....	64 x 119	21,000 00	1892
" " 13	North avenue and Washington	80 x 150	.....	5,000 00	66 x 120	25,000 00	1891
" " 15	N. E. cor. Ninth and Northwest	128 x 194	.....	4,718 66	66^5 x 106	25,000 00	1894
" " 16	Huntingdon avenue, near Charles	100 x 150	.....	7,000 00	.....	18,000 00	1890
" " 17	Old Frederick rd. & Fairview ave.	150 x 257*	360 00	.....	67 x 92	15,000 00	1892
" " 18	Linden avenue and Konig	165 x 150	1,155 00	.....	136^8 x 70^5	54,000 00	1897
" " 19	Hampden, Merryman's lane	127^5 x 32^6	50 00	.....	24^6 x 48	700 00	.....
Annex Colored No. 1	Waverly, Merryman's lane	87 x 240	.....	1,000 00	71 x 24	1,000 00	.....

*Irregular in form. **House built on rear of lot leased for E. F. H. School.

Total amount paid on account of lots	$ 463,412 07
Total value of buildings, actual or estimated	2,400,097 70
Amount of ground-rents in the above list	37,166 15

TABLE C.

SHOWING LOCATIONS OF RENTED BUILDINGS, BY WHAT SCHOOLS OCCUPIED AND AMOUNTS OF YEARLY RENTALS, AS OF DECEMBER 31, 1900.

*Male Grammar No. 8, Frederick avenue and Monroe street.	$600 00
*Male Grammar and Primary No. 9, 808 North Calvert street	540 00
*Male Grammar No. 20, Caroline street, near North avenue.	300 00
*Female Grammar No. 20, Harford avenue and Federal st..	375 00
*English-German No. 3, 1126 East Baltimore street.....	960 00
*English-German No. 6, Lombard and Catharine streets.....	600 00
English-German No. 7, 117 Jackson Place.....	670 00
*English-German No. 7, 119 Jackson Place	550 00
*English-German No. 7, 1739–1741 East Baltimore street.....	850 00
*Male Primary No. 3, 124 and 126 North High street.....	600 00
Male and Female Primary No. 36, 2223 East Baltimore st....	900 00
School No. 104, 413 Courtland street.	775 00
School No. 111, 801 North Bond street.....	420 00
School No. 112, Gold and Calhoun streets.....	450 00
School No. 50, Southeast Cor. Washington and Harrison sts.	156 00
*School No. 51, Gilmore lane, near York road.....	480 00
School No. 56, Hickory avenue, near Fourth avenue.....	600 00
School No. 59, Park Heights avenue.....	360 00
School No. 62, North avenue and Payson street.....	240 00
*School No. 62, south side of Walbrook avenue, east of Payson street.....	300 00
School No. 64, Garrison avenue and New Liberty road, North Walbrook.....	360 00
School No. 114, 1611 West Saratoga street.....	240 00
School No. 114, 1613 West Saratoga street.....	192 00
*School No. 114, Mt. Olivet lane.....	60 00
School No. 115, Barclay street, near Merryman's lane.....	120 00
School No. 103, S. W. Cor. Stricker and Mulberry streets....	360 00
	$12,058 00

REPORT

OF THE

SUPERINTENDENT OF PUBLIC INSTRUCTION.

JANUARY 1, 1901.

To the Board of School Commissioners of the City of Baltimore:

GENTLEMEN: I have the honor to submit the Annual Report of the Superintendent of Public Instruction of this city for the year 1900:

SUMMARY OF STATISTICS.

Population of Baltimore—United States census		508,957
Basis of taxation		$388,242,020
School tax—City		30½ cents.
Number of pubils on roll December 31, 1900		64,720
Decrease	569	
Number of pupils in school during the year		90,823
Increase	10,677	
Number of teachers December 31, 1900		1,676
Decrease	63	
Number of schools December 31, 1900		178
Decrease	5	
Percentage of attendance on enrollment		86
Increase	1	

CITY COLLEGE AND HIGH SCHOOLS.

Number of pupils on roll December 31, 1900		1,486
Decrease	173	
Percentage of attendance		92
(Same as last year).		
Number of pupils to a teacher on enrollment		32
Decrease	6	
Number of pupils to a teacher on average attendance		30
Decrease	3	

POLYTECHNIC INSTITUTE.

Number of pupils on roll December 31, 1900		278
Decrease	230	
Percentage of attendance		77
Decrease	15	
Number of pupils to a teacher on enrollment		17
Decrease	8	
Number of pupils to a teacher on average attendance		22
Decrease	1	

GRAMMAR SCHOOLS.

Number of pupils on roll December 31, 1900		15,397
Increase	439	
Percentage of attendance		88
Decrease	1	
Number of pupils to a teacher on enrollment		39
Increase	4	
Number of pupils to a teacher on average attendance		33
Increase	2	

ANNEX SCHOOLS.

Number of pupils on roll December 31, 1900		9,676
Increase	332	
Percentage of attendance		83
Decrease	1	
Number of pupils to a teacher on enrollment		40
Decrease	4	
Number of pupils to a teacher on average attendance		32
Decrease	2	

COLORED HIGH SCHOOLS.

Number of pupils on roll December 31, 1900		193
Increase	3	
Percentage of attendance		92
Decrease	1	
Number of pupils to a teacher on enrollment		28
Increase	3	
Number of pupils to a teacher on average attendance		25
Increase	2	

COLORED POLYTECHNIC INSTITUTE

Number of pupils on roll December 31, 1900		66
Increase	2	
Percentage of attendance		89
Increase	5	
Number of pupils to a teacher on enrollment. (Same as last year).		11
Number of pupils to a teacher on average attendance		9
Decrease	1	

ENGLISH-GERMAN SCHOOLS

Number of pupils on roll December 31, 1900		6,977
Increase	46	
Percentage of attendance		89
Decrease	1	
Number of pupils to a teacher on enrollment		41
Increase	3	
Number of pupils to a teacher on average attendance		35
Increase	1	

PRIMARY SCHOOLS.

Number of pupils on roll December 31, 1900		21,523
Decrease	699	
Percentage of attendance		84
Increase	1	
Number of pupils to a teacher on enrollment		40
Increase	4	
Number of pupils to a teacher on average attendance		34
Increase	4	

COLORED SCHOOLS

Number of pupils on roll December 31, 1900		9,124
Increase	289	
Percentage of attendance		77
Decrease	1	
Number of pupils to a teacher on enrollment		43
Increase	3	
Number of pupils to a teacher on average attendance		33
Increase	2	

ACCOMMODATIONS.

This report shows a total enrollment of 64,720 pupils. Even with the rented rooms still used there are not adequate accommodations for this number of children. It has been necessary to organize half-time classes in crowded schools. Some of the older buildings owned by the city might be very much improved by the installation of the fan system of heating and ventilation. Aside from the insufficient light in some of the buildings a lack of proper ventilation is their chief defect. It is true that in many instances the rooms are not conveniently arranged, and that means of ingress and egress are inadequate, yet the rooms, when reached, would be fairly good if an adequate supply of fresh air were available without recourse to open windows with the accompanying evils of draughts and illness of pupils and teachers. In many of these rooms, after the first half hour of the day, the air is vitiated and unfit to breathe. In one corner of the room is a stove which heats and circulates this vitiated air, no fresh supply being available, except at the low temperature of that outside and through open windows, under which some children must sit. I speak of these defects only to suggest a remedy. In most of the buildings now heated by stoves the change to the steam and fan system could be made at moderate expense, and in the interest of the health of our growing children it should be made, for it is evident that we must continue to use these buildings.

It is with pleasure, however, that I note the excellence of the newer school buidings. They have evidently been planned and constructed with the aid of the latest expert advice in the field of school architecture. It will be safe in erecting the new buildings, for which there is now so urgent a need, to duplicate these in their essential features.

Of the year covered by this report it is possible for me to speak only of the three and one-half months just ended. On

the opening of the schools on the 17th of September some buildings were crowded while others had vacant rooms. The first problem was, therefore, that of redistribution of pupils. This was carried out in the only way possible under present distinctions between primary and grammar schools by transferring grammar-grade classes to vacant rooms in neighboring primary schools, the classes still remaining under the supervision of the grammar-school principal. In the case of a crowded primary school relief was obtained by organizing half-time classes in the first grade and in a few cases in the second. The half-time class plan in the first grade is not open to objection. For children in their first school year three hours in school are sufficient. Even with such increased school accommodations as may reasonably be expected the half-time class in the first grade is likely to prove a necessity. It is a source of comfort, therefore, to know that under this plan the interests of the children are not jeopardized.

Under the rules children are admitted at the age of five and one-half years. Many of them are too immature to profit by the regular primary school work. It would cost but little more and be far better for all such children in a given building to gather them into a room by themselves and put them in charge of a kindergarden teacher till they were mature enough for first grade work.

Transferring grammar-grade classes to primary schools, in some instances at a considerable distance from the homes of the children, might be avoided by retaining in a primary school its upper classes to the limit of the accommodations instead of transferring them to grammar schools already full, as soon as their third year is completed, regardless of whether rooms are thus left vacant in the primary schools. Each primary school should retain its classes and carry on the work with them till room is needed for pupils of the beginners' grade. At that time and not before should a class be transferred to the nearest grammar school. It is difficult to see why a fourth grade, or even a fifth grade, may not be taught

in a primary school building, provided the school has accommodations. A more uniform distribution of pupils among available class-rooms would be the result, and it would be accomplished with far less friction in this way than by the customary plan.

In some of our school buildings there are four principals. In a large number of buildings there are two principals. When authority is so divided there must necessarily be loss in unity of effort. A class entering a primary school should be under the supervision of the same principal through the eight years of the elementary course. This plan is in operation in the seven English-German schools and in most of the "Annex Schools." It is the natural and reasonable plan, favoring, as it does, the uninterrupted progress of the child from grade to grade through the entire elementary school course with no special emphasis upon promotion from any particular grade, as is the case in separate primary school organization, which ends with the third grade.

The average enrollment per teacher is 43 pupils, giving an average attendance of about 35 pupils. This is a very reasonable number, judged by the experience of many other cities, where an average enrollment of 54 children per room is customary, with an average attendance of about 43. By more careful distribution of pupils among schools and school-rooms, as indicated above, much may be done to relieve crowded conditions. There is no lack of teachers, but there is in some parts of the city lack of available rooms in which they may work.

In the early months of the term it was found that, under a reasonably uniform distribution of pupils among the schools and among the school-rooms of the various buildings, the number of teachers on the pay-rolls was in excess of the needs of the schools. In a school system as large as this any excess in the teaching force is quickly reduced by filling places made vacant by death or resignation, or extended leave of absence. Since January 1, 1900, 126 such changes

have been made, resulting in a material saving in salaries, without any diminution in the efficiency of the schools. Some plan should be devised by which money thus saved may be used to increase salaries now paid. If Baltimore expects to demand for its schools the efficient service that can be rendered only by trained and experienced teachers, and to attract to the service young men and women of ability, the salary schedule must be rearranged. With present low salaries we are forced to be very moderate in our demands upon the time of the teacher for professional study and improvement. It is hoped that the recently organized Training School for Teachers will be able to do something for teachers already in service as well as for those who wish to enter the service. By the reduction in the number of teachers already referred to, and by a better organization, it is possible within the limits of the regular appropriation to make a material advance in the salaries of the grade teachers who now receive the lowest compensation, and to give principals and heads of departments salaries that will attract a large number of able teachers to the profession.

It should be remembered that the lowest salary now paid, $300, is in many instances given to persons who would not in most cities be given employment in the schools. They receive this salary while learning to teach. After the present graded list is exhausted this $300 salary will not necessarily appear on the schedule, except for substitutes. This will be evident after an inspection of the following rule adopted on the 18th of December:

"Whereas, a training school for teachers has been organized as a part of the public school system of Baltimore; therefore

"*Be it Resolved* That, after the present graded list is exhausted, no one shall be elected to teach in the elementary schools of Baltimore who has not completed the prescribed course in the Baltimore City Training School, or in a training

school of equal rank; provided that graduation from an institution of collegiate rank offering a pedagogical course which the candidate has taken, or successful experience in teaching for a time equal to twice the length of the training school course may be accepted as an equivalent for such course, at the option of the Superintendent of Public Instruction."

After the training school course is extended for two years, as it must be in order to give its students adequate preparation for their work, graduates of the school should begin on the third-year salary, whatever that may be.

A report upon the organization of the training school has already been made. The rooms to be occupied by the school are nearly ready, and class work will begin on the 15th of January. A suitable room has been found for the class for colored teachers on the third floor of the Colored High School, on Saratoga street, near Charles. The teachers in training in the two classes will have equal opportunity for study, for observation of good teaching, and for practice under critic teachers.

THE HIGH SCHOOLS.

I have examined with much interest the proposed course of study for the Polytechnic Institute. It seems to be well planned. It emphasizes most of the academic branches usually taught in high schools, and gives in addition a training of the hand to execute the ideas of the mind that is highly educative in its character. About twenty pupils of the present graduating class desire to continue their course through a fourth year. As the seventh grade will be dropped at the end of this year, these twenty pupils could be kept a year longer without adding to the present cost of instruction.

The proposed program for the City College allows choice of one of four courses after the first year. At least as much choice should be allowed in the high schools for girls. In the Eastern and Western High Schools the study of Latin begins in the second year and occupies only two-fifths' time.

A choice should be offered between Latin and modern languages, but if Latin is chosen it should be begun early enough and be continued long enough to enable a student to meet college entrance requirements. The subject of physics is begun before adequate methematical training has been given. Natural history is a more suitable first-year subject, and it is gratifying to note that its introduction has been secured. The addition of regular systematic gymnastic training for the girls is the next urgent need. The Western High School has a fine room for the purpose. Proper equipment should be purchased for it as soon as possible. The Eastern High School lacks room for its science work, as well as for physical training, though there is ample ground for an addition to the building, which would give very satisfactory accommodations.

It is impossible for a high school pupil to study all of the subjects which, in response to a reasonable demand, have found their way into the modern high school program.

There is a marked tendency to prescribe subjects which all must study, as, for instance, a certain amount of English, mathematics, science, history, etc., and to leave a number of studies to be decided according to the powers and purposes of the pupil and the wishes of the parents. There is also a tendency to provide for pupils of varying physical and mental power by allowing each pupil to carry the amount of work that he can do well and no more. This also conduces to thoroughness. Graduation requirements are stated in terms of units of work accomplished not in years spent in school. Some pupils take more studies than others and sooner earn a diploma. Failure in given studies is less frequent than under the plan in which all must cover the same ground in the same time. Review of one or more studies may be had without interrupting the pupil's progress in studies in which he has been successful. Many students who are doing inferior work would do very good work if limited to fewer studies. It is in the interest of sound scholarship that they be thus limited.

Abler pupils should not, however, be held to the same limited list of studies.

The changes proposed for the Western High School at this time and for the Eastern High School next September do not, to any considerable extent, meet the specifications above stated, but they mark a step in that direction.

It is not possible for one new to the schools to report fully at this time upon the quality of the instruction given in them. Many strong points have been noted, as well as some weak ones, the latter due partly to bad physical conditions and faulty organization, and partly to lack of training or experience on the part of some of the teachers. If the work in all of the rooms could be elevated to the level of the best examples of teaching to be found in the city, the people of Baltimore might well be glad to exert every effort to maintain them at that standard.

Respectfully submitted,

JAMES H. VAN SICKLE,
Superintendent.

TABLES.

Tables Accompanying Superintendent's Report.

TABLE A.

Statement Showing the Number of Male and Female Teachers and the Number of Pupils on Roll December, 1900, the Average Number of Pupils on Roll during the Year, the Average Attendance for the Year, the Percentage of Attendance for the Year and the Number in School during the Year.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1900.	Average Roll for the Year.	Average Attendance for the year.	Percentage of Attendance.	Whole Number in School During Year.	In School During Year, Excluding Duplicate Enrollment.
Baltimore City College	16	.....	556	570	535	94	940	637
Eastern High School..	1	12	374	375	345	92	594	419
Western High School..	1	16	556	560	504	90	848	626
Colored High School...	1	6	193	174	160	92	273	191
	19	34	1,679	1,679	1,544	368	2,655	1,873
Balto. Polytechnic Inst	16	.....	278	450	348	77	563	523
Col'd Polytechnic Inst.	6	.....	66	61	54	89	89	65
	22	.....	344	511	402	166	652	588
Boys' Grammar No. 1	2	6	272	280	246	88	419	331
" " " 2	2	8	449	436	387	89	655	487
" " " 3	2	2	175	164	146	89	269	191
" " " 4	2	8	357	338	306	91	505	376
" " " 5	2	6	314	273	234	86	420	311
" " " 6	2	7	326	320	285	89	447	361
" " " 7	2	10	466	431	388	90	603	459
" " " 8	2	9	420	393	345	88	592	437
" G. and P. " 9	1	6	204	206	160	78	277	261
" Grammar " 10	2	8	418	396	364	92	615	443
" " " 11	2	8	425	374	346	92	551	384
" " " 12	2	8	389	361	332	92	561	391
" " " 13	1	4	155	162	145	90	262	192
" " " 15	2	9	440	414	376	91	617	458
" " " 16	1	9	392	376	326	87	504	493
" " " 17	2	8	365	334	305	91	490	374
" " " 18	2	8	349	324	295	91	488	357
" " " 19	1	8	377	372	337	91	499	404
" " " 20	2	13	631	607	537	88	902	679
" " " 21	2	8	335	324	287	89	492	364
Totals.....	36	153	7,259	6,885	6,147	1,782	10,168	7,753

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1900.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During Year, Excluding Duplicate Enrollment.
Girls' Grammar No. 1		9	272	302	258	85	435	348
" " " 2		12	453	443	370	84	640	465
" " " 3		17	771	726	592	82	957	927
" " " 4		9	331	317	284	90	457	348
" " " 5		8	291	280	235	83	405	311
" " " 6		10	357	389	344	89	511	433
" " " 7		12	420	411	369	90	597	452
" " " 8		11	431	412	350	85	614	457
" " " 10		11	453	412	379	91	609	441
" " " 11		11	388	368	314	86	536	406
" " " 12		9	411	352	314	89	583	385
" " " 13		8	257	255	218	86	378	275
" " " 15		14	612	595	542	91	793	646
" " " 16		10	410	376	307	82	508	495
" " " 17		9	330	319	284	89	459	361
" " " 18		9	385	344	297	86	497	373
" " " 19		10	352	352	300	85	487	410
" " " 20		18	761	773	650	84	1,075	830
" " " 21		12	453	442	386	87	614	481
Totals		209	8,138	7,868	6,793	1,644	11,155	8,844
English-German No. 1	2	8	366	354	304	86	504	455
" " " 2	2	21	929	942	876	93	1,164	1,132
" " " 3	2	35	1,543	1,572	1,362	87	2,053	2,005
" " " 4	3	26	1,271	1,237	1,100	89	1,566	1,508
" " " 5	2	28	1,142	1,013	911	90	1,453	1,215
" " G. " 6	4	13	767	740	670	91	1,100	918
" " P. " 6		9	355	343	306	89	531	426
" " " 7	2	13	604	551	484	88	722	690
Totals	17	153	6,977	6,752	6,013	713	9,093	8,349

TABLE A—Continued.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1900.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During the Year, Excluding Duplicate Enrollment.
Boys' Prim. No. 1		8	313	298	251	84	483	430
" " " 2		5	240	235	205	87	373	372
" " " 3		10	464	442	382	86	641	607
" " " 4		6	258	247	207	84	366	338
" " " 5		9	401	401	341	76	542	517
" " " 6		6	280	282	240	86	377	368
" " " 7		4	200	187	152	82	285	265
" " " 8		6	240	223	187	84	347	321
" " " 10		4	163	173	135	78	264	240
" " " 11		11	477	487	424	87	700	658
" " " 12		8	280	295	245	83	421	390
" " " 13		5	244	219	172	79	322	286
" " " 14		6	254	232	200	81	346	325
" " " 15		9	338	338	283	83	511	473
" " " 16		7	239	245	200	82	367	350
" " " 17		6	229	226	187	83	339	315
" " " 18		4	155	156	138	88	230	209
" " " 19		3	150	147	131	90	231	209
" " " 20		16	748	810	637	79	1,111	1,059
" " " 21		6	234	233	189	81	335	318
" " " 22		8	277	263	220	84	376	351
" " " 23		7	293	287	232	81	396	367
" " " 24		7	306	300	260	87	403	390
" " " 25		9	303	325	264	81	465	452
" " " 26		5	174	183	155	85	275	253
" " " 27		8	300	303	247	81	419	391
" " " 28		8	311	300	265	88	422	397
" " " 29		4	176	166	154	93	257	244
" " " 30		13	527	514	424	83	781	728
" " " 31		8	313	311	253	81	424	253
" " " 32		7	258	268	231	85	384	355
" " " 33		8	305	301	263	87	434	423
" " " 34		6	263	245	190	78	371	346
" " " 35		5	174	185	154	83	271	264
" " " 36		6	238	232	193	84	328	313
" " " 37		7	367	337	252	75	533	481
" " " 38		4	162	164	140	85	234	226
" " " 39		4	175	162	145	90	255	232
" " " 40		9	348	354	306	86	481	458
Totals		272	11,177	11,076	9,254	3,260	16,100	14,974

TABLE A—Continued.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1900.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During the Year, Excluding Duplicate Enrollment.
Girl's Prim. No. 1		8	325	310	246	79	479	421
" " " 2		8	297	282	232	82	396	380
" " " 4		7	264	250	216	86	376	349
" " " 5		9	404	392	314	81	546	514
" " " 6		7	271	270	225	83	368	356
" " " 7		6	240	232	188	81	350	332
" " " 8		5	209	198	161	81	290	277
" " " 10		5	177	179	139	78	272	245
" " " 11		11	515	538	532	80	743	682
" " " 12		8	278	298	249	83	431	402
" " " 13		5	240	229	182	80	328	306
" " " 14		7	224	214	174	81	323	304
" " " 15		9	319	312	263	84	497	445
" " " 16		6	235	241	200	83	373	343
" " " 17		6	256	256	202	80	353	339
" " " 18		4	153	155	126	81	215	200
" " " 19		4	162	145	125	86	217	208
" " " 20		15	676	718	574	80	1,015	958
" " " 21		4	176	182	150	82	267	246
" " " 22		8	276	271	226	83	391	373
" " " 23		8	331	330	280	85	442	420
" " " 24		6	306	284	245	86	408	387
" " " 25		7	287	301	238	79	423	414
" " " 26		4	179	167	148	89	257	234
" " " 27		8	297	300	243	81	420	403
" " " 28		9	287	281	247	88	378	359
" " " 29		4	177	173	139	80	252	233
" " " 30		14	557	552	450	82	814	742
" " " 32		6	248	233	196	84	355	334
" " " 33		7	279	272	230	85	393	366
" " " 34		6	263	243	200	82	355	336
" " " 35		5	193	196	156	80	270	264
" " " 36		6	204	211	179	85	275	258
" " " 37		7	351	327	253	71	495	448
" " " 38		4	182	173	142	82	235	231
" " " 39		4	159	142	125	88	209	197
" " " 40		8	349	345	295	86	463	441
Totals		255	10,346	10,202	8,590	3,047	14,674	13,747

Tables Accompanying the Superintendent's Report.

TABLE A—Continued.

Schools.	Teachers.		Number of Pupils.					
	Males.	Females.	On Roll December, 1900.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During Year, Excluding Duplicate Enrollment.
School No. 100	1	8	316	327	275	84	512	371
Boys' School " 101	2	4	281	276	240	87	391	95
School " 102	2	3	210	206	183	89	327	237
" " 103	3	4	265	261	218	84	439	306
Boys' " " 104	2	1	120	133	90	68	213	197
" " " 105	3	5	311	306	241	79	433	417
" " " 106	2	8	358	351	295	84	479	478
" " " 107	1	8	450	463	350	76	668	652
" " " 108	1	4	263	244	160	66	383	377
" " " 109	2	3	224	207	153	74	298	293
" " " 110	1	10	420	407	325	80	593	563
" " " 111	1	5	291	278	204	73	432	431
" " " 112	8	9	681	676	574	85	983	959
B.& G.G. " " 113	5	9	660	624	497	79	999	939
Boys' " " 114	5	1	279	257	182	71	388	380
Boys and Girls' " 115	1	3	208	190	159	83	282	277
Girls' School " 104		8	283	292	191	65	400	392
" " " 105		8	335	332	231	70	473	454
" " " 106		10	409	421	321	76	558	552
" " " 107		13	568	527	394	74	741	723
" " " 109		5	215	190	146	77	292	288
" " " 110		12	559	571	471	82	776	744
" " " 111		7	302	289	225	78	429	418
" " " 112		18	864	824	645	78	1,199	1,149
" " " 114		6	252	448	301	67	367	349
Totals	40	172	9,124	9,100	7,071	1,929	13,055	12,041

Tables Accompanying Superintendent's Report.

TABLE A—Continued.

Schools.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1900.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During Year, Excluding Duplicate Enrollment.
School No. 50	.....	8	292	290	241	66	418	394
" " 51	2	23	1,010	928	845	91	1,287	1,156
Boys' G. " " 52	1	7	292	268	231	86	417	298
Girls' G. " " 53	.....	14	538	492	424	86	711	540
" P. " " 53	.....	8	353	402	320	80	643	567
Primary " " 54	.....	13	533	418	349	84	730	593
Grammar " " 55	1	8	330	299	264	88	463	336
Primary " " 55	.....	9	405	451	370	82	662	629
School " 56	.....	8	352	282	220	78	472	396
" " 57	.....	7	225	212	184	86	312	285
" " 58	1	9	387	359	283	79	497	474
" " 59	1	3	147	122	103	85	180	160
" " 60	1	20	881	824	675	83	1,214	1,104
Boys' G. " " 61	2	6	287	256	231	91	365	268
Girls' G. " " 61	.....	8	306	282	254	90	381	292
Boys' P. " " 61	.....	6	237	293	242	82	381	360
School " 62	.....	8	340	304	254	83	485	424
" " 63	1	13	558	519	423	82	741	651
" " 64	.....	2	68	54	45	83	87	81
" " 65	1	7	302	277	197	71	399	366
" " 66	1	3	164	152	138	91	223	175
" " 67	.....	6	257	246	196	80	376	344
" " 68	1	13	512	500	440	88	688	640
" " 69	1	18	900	759	660	87	1,139	957
Totals.....	14	226	9,676	8,989	7,589	2,002	13,271	11,490

TABLES ACCOMPANYING SUPERINTENDENT'S REPORT.

TABLE A—Continued.

NIGHT SCHOOLS.	TEACHERS		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1900.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During Year, Excluding Duplicate Enrollment.
Night No. 2	2	7	247	212	164	78	.....	.....
" " 3	6	1	199	183	130	70	259	259
" " 4	2	1	80	75	53	71	100	100
" " 5	6	3	432	340	178	52	432	432
Colored " " 101	3	3	205	160	102	64	226	226
" " " 102	2	2	115	114	75	66	158	158
" " " 107	2	.....	50	49	32	65	61	61
" " " 113	5	.....	155	155	93	60	165	165
Balto. Polytechnic Inst	12	.....	312	288	200	69	396	396
Col'd Polytechnic Inst	2	.....	22	16	12	74	34	34
Totals.....	42	17	1,817	1,592	1,039	132	1,831	1,831

TABLE A—Concluded.—Tables Accompany the Superintendent's Report.—Recapitulation.

Schools.	Number of Schools December, 1900.	Number of Teachers.				Number of Pupils.					
		Males December, 1900.	Females, December, 1900.	Totals, December, 1900.	Average for the Year.	On Roll, December, 1900	Average Roll for the Year.	Average Attendance for the year.	Percentage of Attendance.	Whole number in School During Year	In School During Year, Excluding Duplicate Enrollment.
Baltimore City College	1	16	.....	16	.....	556	570	535	94	940	637
Eastern High School	1	1	12	13	.....	374	375	345	92	594	419
Western High School	1	1	16	17	.....	556	560	504	90	848	626
Colored High School	1	1	6	7	.....	193	174	160	92	273	191
Baltimore Polytechnic Institute	1	16	.....	16	.....	278	450	348	77	563	523
Colored Polytechnic Institute	1	6	.....	6	.....	66	61	54	89	89	65
Boys' Grammar Schools	20	36	153	189	.....	7,259	6,885	6,147	90	10,168	7,753
Girls' Grammar Schools	19	.....	209	209	.....	8,138	7,868	6,793	87	11,155	8,844
English-German Schools	8	17	153	170	.....	6,977	6,752	6,013	89	9,093	8,349
Boys' Primary Schools	39	.....	272	272	.....	11,177	11,076	9,254	84	16,100	14,974
Girls' Primary Schools	37	.....	255	255	.....	10,346	10,202	8,590	82	14,674	13,747
Colored Schools	25	40	172	212	.....	9,124	9,100	7 071	77	13,055	12,041
Annex Schools	24	14	226	240	.....	9,676	8,989	7,589	83	13,271	11,490
	178	148	1,474	1,622	.....	64,720	63,062	54,403	86	90,823	79,659
Special. Music	.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....
Special. Drawing	.....	.....	16	16	.....	.....	.....	.....	.....	.....	.....
Special. Sewing	.....	.....	27	27	.....	.....	.....	.....	.....	.....	.....
Special. Physical Culture	.....	.....	9	9	.....	.....	.....	.....	.....	.....	.....
Totals	178	150	1,526	1,676	.....	64,720	63,062	54,403	86	90,823	79,659

Tables Accompanying the Superintendent's Report.

TABLE B.

Different Grades of Schools Compared.

	1900.	1899.	Increase	Decrease
Number of Pupils in B. C. C. and High	1,679	1,849		170
Number of Pupils in Baltimore Polytechnic and Colored Polytechnic Institutes	344	572		228
Number of Pupils in Grammar Schools	15,397	14,958	439	
" " " " Eng.-Ger. "	6,977	6,931	46	
" " " " Primary "	21,523	22,222		699
" " " " Colored "	9,124	9,413		289
" " " " Annex "	9,676	9,344	332	
Totals	64,720	65,289	817	1,386

TABLE BB.

Different Grades of Classes Compared.

	1900.	1899.	Increase	Decrease
Number of Pupils in Fifth-Year Course of B. C. C	33	44		11
Number of Pupils in Fourth-Year Course of B. B. C., High Schools and Polytechnic Institute	181	187		6
Number of Pupils in Third-Year Course of B. B. C., High Schools and Polytechnic Institute	320	289	31	
Number of Pupils in Second-Year Course of B. C. C., High Schools, Polytechnic and Colored Polytechnic Institutes	456	572		116
Number of Pupils in First-Year Course of B. C. C., Polytechnic and Colored Polytechnic Institutes	849	899		50
Number of Pupils in Preparatory Course of Polytechnic and Colored Polytechnic Institutes	184	430		246
Number of Pupils in Eighth Grade	1,646	1,572	74	
" " " " Seventh "	2,679	2,549	130	
" " " " Sixth "	4,405	4,237	168	
" " " " Fifth "	6,211	6,132	79	
" " " " Fourth "	8,269	8,568		299
" " " " Third "	9,658	9,391	267	
" " " " Second "	11,553	11,360	193	
" " " " First "	18,277	19,059		782
Totals	64,720	65,289	942	1,510

Tables Accompanying the Superintendent's Report.

TABLE C.

Showing the Number of Pupils and Teachers in the Public Schools on Roll at the time of making the Report each year, from the year 1829, when the first Public School was opened, to the year 1900, inclusive.

This statement does not include Night Schools.

The figures for 1888, and subsequently, include the Annex Schools.

Date.	*Teachers.*	*Pupils.*	*Date.*	*Teachers.*	*Pupils.*
1829	3	269	1865	366	15,957
1830	5	402	1866	402	17,550
1831	5	627	1867	490	22,073
1832	5	640	1868	537	21,903
1833	5	544	1869	540	23,552
1834	8	859	1870	549	23,898
1835	8	747	1871	559	24,479
1836	8	814	1872	581	25,092
1837	8	659	1873	588	26,663
1838	8	675	1874	626	27,634
1839	16	1,126	1875	672	29,942
1840	22	1,834	1876	717	31,071
1841	27	2,331	1877	734	32,523
1842	28	2,464	1878	784	34,002
1843	30	2,669	1879	798	35,595
1844	38	3,366	1880	799	35,297
1845	52	4,313	1881	824	35,630
1846	65	5,087	1882	826	35,639
1847	90	6,439	1883	855	37,546
1848	100	6,696	1884	893	38,618
1849	110	6,763	1885	930	39,828
1850	119	7,093	1886	972	39,779
1851	138	8,011	1887	994	41,199
1852	175	9,081	1888	1,119	46,521
1853	186	9,447	1889	1,187	48,850
1854	207	9,717	1890	1,244	50,899
1855	217	10,588	1891	1,301	52,543
1856	238	11,441	1892	1,382	54,406
1857	245	11,269	1893	1,464	57,048
1858	256	11,587	1894	1,557	59,808
1859	267	11,750	1895	1,614	61,271
1860	284	13,186	1896	1,719	63,087
1861	295	13,424	1897	1,794	64,602
1862	311	13,888	1898	1,827	65,170
1863	333	14,847	1899	1,802	65,289
1864	343	15,319	1900	1,676	64,720

Tables Accompanying Superintendent's Report.

TABLE D.

Schools.	Number of Pupils Between the Ages of																Totals.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12 13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
Baltimore City College									28	106	152	136	73	35	21	5	556
Eastern High School									1	50	97	96	77	39	11	3	374
Western " "									6	46	100	146	124	100	25	9	556
Colored " "										33	20	37	40	38	16	9	193
Totals									35	235	369	415	314	212	73	26	1,679
Balto. Polytechnic Inst.								1 6	26	55	63	53	48	18	8		278
Col'd " "								2 4	11	9	15	7	12	5	1		66
Totals								3 10	37	64	78	60	60	23	9		344
Boys' Grammar No. 1				2	11	23	53	55	50	44	31	3					272
" " 2				4	31	63	98	99	70	53	26	5					449
" " 3				1	4	20	42	59	36	10	3						175
" " 4				2	16	45	66	95	58	45	25	4		1			357
" " 5				3	16	28	58	80	59	37	24	8	1				314
" " 6				2	15	38	77	75	63	29	19	4	3	1			326
" " 7				4	15	55	73	120	90	65	29	14	1				466
" " 8						44	94	94	83	65	30	9	1				420
B. and G. G. and P. 9	6	18	23	21	21	23	20	30	12	21	7	2					204

Boys' Grammar No.	10				5	28	59	79	101	73	45	22	6				418
" "	11				1	25	57	92	90	80	53	19	5	2		1	425
" "	12				1	26	60	95	80	60	49	12	6				389
" "	13				8	23	32	40	36	15	1						155
" "	15				1	25	53	67	94	92	70	29	7	2			440
" "	16	24	45	47	52	58	53	42	42	20	7	2					392
" "	17			1	4	22	50	82	69	64	40	25	8				365
" "	18				1	23	52	56	70	58	48	29	12				349
" "	19				1	17	44	73	72	73	59	26	11	1			377
" "	20					37	81	126	134	117	100	29	6	1			631
" "	21				2	20	44	55	73	67	45	24	4	1			335
Totals		30	63	71	115	433	924	1,388	1,568	1,240	886	411	114	13	2	1	7,259

TABLES ACCOMPANYING SUPERINTENDENT'S REPORT.

TABLE D—Continued.

SCHOOLS.			NUMBER OF PUPILS BETWEEN THE AGES OF																TOTALS.
			5-6	6-7	7-8	8-9	9-10	10-11	11 12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20 21	
Girls'	Grammar	No. 1	.....	.....	.....	7	21	27	46	41	57	44	21	5	.....	.....	.....	.....	272
"	"	" 2	.....	.....	.....	30	31	67	89	98	72	39	18	8	1	.....	.....	.....	453
"	"	" 3	42	120	102	99	90	104	67	84	44	15	4	.....	.....	.....	.....	.....	771
"	"	" 4	.....	.....	.....	2	24	45	72	85	47	32	19	5	.....	.....	.....	.....	331
"	"	" 5	.....	.....	.....	.....	17	41	45	71	49	44	21	2	1	.....	.....	.....	291
"	"	" 6	.....	.....	.....	.....	12	51	52	55	73	54	33	22	5	.....	.....	.....	357
"	"	" 7	.....	.....	.....	2	21	60	77	101	74	61	17	4	3	.....	.....	.....	420
"	"	" 8	.....	.....	.....	4	22	56	76	82	81	67	29	13	1	.....	.....	.....	431
"	"	" 10	.....	.....	.....	1	16	53	101	113	87	56	19	5	2	.....	.....	.....	453
"	"	" 11	.....	.....	.....	5	13	53	85	88	81	36	22	5	.....	.....	.....	.....	388
"	"	" 12	.....	.....	.....	2	31	60	85	96	77	35	23	2	.....	.....	.....	.....	411
"	"	" 13	.....	.....	1	3	8	44	60	59	49	24	8	1	.....	.....	.....	.....	257
"	"	" 15	.....	.....	.....	6	36	75	121	125	95	81	52	18	2	1	.....	.....	612
"	"	" 16	20	69	57	61	53	51	42	28	16	6	6	1	.....	.....	.....	.....	410
"	"	" 17	.....	.....	.....	1	8	52	71	90	45	5	13	.....	.....	.....	.....	.....	330
"	"	" 18	.....	.....	.....	4	15	37	59	67	71	66	39	22	5	.....	.....	.....	385
"	"	" 19	.....	.....	.....	.....	13	32	35	76	55	61	48	18	11	2	1	.....	352
"	"	" 20	.....	.....	.....	.....	40	91	148	153	159	102	55	11	2	.....	.....	.....	761
"	"	" 21	.....	.....	.....	.....	16	57	71	84	100	66	44	11	4	.....	.....	.....	453
Totals.....			62	189	160	227	487	1,056	1,402	1,599	1,332	939	491	153	37	3	1	.....	8,138

Eng.-Ger.	No. 1	12	38	44	37	32	48	44	50	26	25	6	4	.....	.....	.....	.....	366
" " "	2	5	114	122	123	128	130	136	93	51	16	11	.....	.....	.....	.....	.....	929
" " "	3	45	158	188	161	233	218	216	200	85	26	12	1	.....	.....	.....	.....	1,543
" " "	4	19	173	135	146	163	161	174	134	109	37	13	7	.....	.....	.....	.....	1,271
" " "	5	.....	103	114	156	178	170	125	115	94	70	13	3	1	.....	.....	.....	1,142
" " "	6, G	.....	85	120	84	70	96	127	99	55	26	5	.....	.....	.....	.....	.....	767
" " "	6, P	.....	53	67	89	77	34	25	9	1	.....	.....	.....	.....	.....	.....	.....	355
" " "	7	14	77	78	81	91	71	69	57	38	22	4	2	.....	.....	.....	.....	604
Totals		95	801	868	877	972	928	916	757	459	222	64	17	1	.....	.....	.....	6,977

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															TOTALS.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14 15	15-16	16-17	17-18	18-19	19-20	20-21	
Boys' Primary No 1	3	61	68	46	54	43	19	8	10	1							313
" " " 2	11	35	41	45	39	34	16	16	2	1							240
" " " 3	3	59	75	73	89	82	52	22	7	2							464
" " " 4	5	60	96	54	29	8	4	2									258
" " " 5	1	54	67	99	87	32	28	21	9	3							401
" " " 6	2	56	52	52	45	40	16	9	5	3							280
" " " 7		44	42	45	30	20	10	6	3								200
" " " 8	9	45	34	48	43	29	22	8	2								240
" " " 10	2	30	21	30	29	25	17	6	2	1							163
" " " 11	4	74	106	105	91	49	25	16	5	2							477
" " " 12	6	56	58	55	53	27	20	4	1								280
" " " 13		61	45	37	45	25	19	9	2	1							244
" " " 14	4	57	56	48	43	23	13	8	2								254
" " " 15	13	40	55	83	53	44	27	20	3								338
" " " 16	12	31	45	50	46	23	16	10	6								239
" " " 17	4	36	42	41	46	26	17	10	5	2							229
" " " 18	7	23	38	22	37	16	5	5	2								155
" " " 19	3	11	28	32	26	21	20	5	1	3							150
" " " 20	28	115	167	157	132	84	30	23	9	1	2						748
" " " 21	2	28	43	53	41	31	22	11	3								234
" " " 22	15	43	59	53	45	26	17	14	4	1							277
" " " 23	8	46	48	68	48	39	19	11	4	2							293

| | | |

TABLE D—Continued.

TABLES ACCOMPANYING SUPERINTENDENT'S REPORT.

SCHOOLS.				NUMBER OF PUPILS BETWEEN THE AGES OF																TOTALS.
				5 6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16 17	17-18	18 19	19-20	20-21	
Girls'	Primary	No.	1..	15	53	61	60	51	47	23	11	3	1	.....	.....	.....	.....	.....	.....	325
"	"	"	2..	17	66	65	50	54	33	10	2	.....	.....	.....	.....	.....	.....	.....	.....	297
"	"	"	4..	13	45	43	54	57	29	15	4	3	.....	.....	1	.....	.....	.....	.....	264
"	"	"	5..	8	61	73	79	86	47	32	12	3	2	.....	1	.....	.....	.....	.....	404
"	"	"	6..	11	46	55	57	48	29	19	4	2	.....	.....	.....	.....	.....	.....	.....	271
"	"	"	7..	18	65	32	48	35	22	12	6	2	.....	.....	.....	.....	.....	.....	.....	240
"	"	"	8..	8	36	51	49	27	21	13	1	3	.....	.....	.....	.....	.....	.....	.....	209
"	"	"	10..	4	33	31	35	34	20	11	6	2	.....	.....	.....	.....	.....	.....	.....	177
"	"	"	11..	6	81	110	128	98	53	27	7	4	1	.....	.....	.....	.....	.....	.....	515
"	"	"	12..	.....	55	73	65	47	23	9	2	4	.....	.....	.....	.....	.....	.....	.....	278
"	"	"	13..	6	35	44	44	43	29	20	13	5	1	.....	.....	.....	.....	.....	.....	240
"	"	"	14..	7	45	56	46	45	15	8	1	1	.....	.....	.....	.....	.....	.....	.....	224
"	"	"	15..	6	60	65	60	54	43	17	6	5	3	.....	.....	.....	.....	.....	.....	319
"	"	"	16..	7	36	37	78	23	13	17	9	15	.....	.....	.....	.....	.....	.....	.....	235
"	"	"	17..	34	56	58	50	25	17	9	3	4	.....	.....	.....	.....	.....	.....	.....	256
"	"	"	18..	3	20	34	30	38	14	12	2	.....	.....	.....	.....	.....	.....	.....	.....	153
"	"	"	19..	.....	24	22	38	36	18	13	7	3	.....	1	.....	.....	.....	.....	.....	162
"	"	"	20..	13	115	147	150	117	63	44	19	8	.....	.....	.....	.....	.....	.....	.....	676
"	"	"	21..	3	17	27	49	35	21	15	2	4	3	.....	.....	.....	.....	.....	.....	176
"	"	"	22..	3	31	54	65	47	36	23	11	3	3	.....	.....	.....	.....	.....	.....	276
"	"	"	23..	9	47	71	71	61	46	22	3	1	.....	.....	.....	.....	.....	.....	.....	331
"	"	"	24..	17	52	51	65	52	29	22	16	2	.....	.....	.....	.....	.....	.....	.....	306
"	"	"	25..	25	40	47	54	60	44	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	287
"	"	"	26..	1	31	35	44	34	19	11	4	.....	.....	.....	.....	.....	.....	.....	.....	179

Girls'	Primary	No.	27..	7	42	65	54	56	46	16	10	1	.....	.....	.....	.....	.....	.....	.....	297
"	"	"	28..	3	47	57	46	56	37	30	6	5	.....	.....	.....	.....	.....	.....	.....	287
"	"	"	29..	9	27	45	31	30	18	10	7	.....	.....	.....	.....	.....	.....	.....	.....	177
"	"	"	30..	3	77	115	116	108	62	48	21	6	1	.....	.....	.....	.....	.....	.....	557
"	"	"	32..	5	44	76	48	38	23	9	4	1	.....	.....	.....	.....	.....	.....	.....	248
"	"	"	33..	3	47	64	56	56	25	16	7	4	.....	1	.....	.....	.....	.....	.....	279
"	"	"	34..	2	51	39	62	47	37	17	6	2	.....	.....	.....	.....	.....	.....	.....	263
"	"	"	35..	13	35	35	36	36	16	12	7	3	.....	.....	.....	.....	.....	.....	.....	193
"	"	"	36..	1	33	33	44	45	33	6	7	2	.....	.....	.....	.....	.....	.....	.....	204
"	"	"	37..	11	58	71	55	55	47	34	16	3	1	.....	.....	.....	.....	.....	.....	351
"	"	"	38..	8	34	28	39	32	23	9	8	1	.....	.....	.....	.....	.....	.....	.....	182
"	"	"	39..	9	35	41	25	25	18	4	.....	2	.....	.....	.....	.....	.....	.....	.....	159
"	"	"	40..	16	47	75	69	59	35	27	16	4	1	.....	.....	.....	.....	.....	.....	349
Totals.....				324	1,728	2,086	2,150	1,850	1,151	659	266	111	17	2	2	.....	.....	.....	.....	10,346

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															TOTALS.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
School No. 100...	.....	.....	.....	.....	.....	3	13	39	56	80	66	39	14	6	.....	.....	316
B. & G. School No. 101...	.....	.....	.....	.....	2	5	18	37	70	49	59	35	6	.....	.....	.....	281
" " " 102...	.....	.....	.....	.....	.....	1	9	19	48	40	62	23	8	.....	.....	.....	210
" " " 103...	.....	.....	.....	.....	.....	5	20	29	64	53	45	35	9	4	1	.....	265
Boys' " " 104...	.....	5	8	12	12	15	20	17	21	8	2	.....	.....	.....	.....	.....	120
" " " 105...	8	30	37	43	41	46	36	33	14	18	4	1	.....	.....	.....	.....	311
" " " 106...	.....	13	42	46	53	51	37	46	32	27	9	2	.....	.....	.....	.....	358
" " " 107..	5	34	55	71	58	59	43	63	39	15	6	2	.....	.....	.....	.....	450
School " 108...	.....	33	28	32	27	41	32	31	17	17	3	2	.....	.....	.....	.....	263
Boys' " " 109...	.....	26	27	34	25	37	21	23	19	9	3	.....	.....	.....	.....	.....	224
" " " 110...	3	29	37	61	44	47	41	45	51	35	15	8	4	.....	.....	.....	420
" " " 111...	3	33	46	27	47	51	40	24	13	6	1	.....	.....	.....	.....	.....	291
" " " 112...	23	90	95	97	92	79	85	52	40	19	5	3	.....	1	.....	.....	681
School " 113...	18	23	49	76	61	77	65	83	61	61	48	25	11	2	.....	.....	660
" " 114...	.....	23	38	33	33	26	40	39	28	11	8	.....	.....	.....	.....	.....	279
" " 115...	13	26	21	17	21	25	13	17	18	14	16	5	2	.....	.....	.....	208
Girls' School " 104...	3	17	14	25	38	36	39	40	30	28	10	3	.....	.....	.....	.....	283
" " " 105...	16	26	38	52	48	39	39	36	21	13	4	2	1	.....	.....	.....	335
" " " 106...	.....	22	46	61	56	55	56	59	30	19	3	2	.....	.....	.....	.....	409
" " " 107...	.....	62	78	91	78	84	66	50	30	17	9	1	1	1	.....	.....	568
" " " 109...	.....	24	33	25	34	30	19	22	22	3	2	1	.....	.....	.....	.....	215
" " " 110..	18	32	40	49	72	70	59	73	62	38	25	15	6	.....	.....	.....	559
" " " 111...	4	29	35	35	44	47	51	34	10	8	4	1	.....	.....	.....	.....	302
" " " 112...	24	70	83	119	126	105	99	104	64	46	18	3	3	.....	.....	.....	864
" " " 114...	1	23	30	35	30	37	22	31	20	13	4	6	.....	.....	.....	.....	252
Totals.....	139	670	880	1,041	1,042	1,071	983	1,046	880	647	431	214	65	14	1	.....	9,124

TABLE D—Concluded.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF														TOTALS.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
School No. 50...	8	22	44	43	52	46	33	25	14	4	1	.....	.....	.....	.....	.....	292
" " 51...	19	83	102	99	106	113	103	122	100	93	53	12	5	.....	.....	.....	1,010
" " 52...	.....	.....	.....	1	10	42	46	64	48	50	19	9	3	.....	.....	.....	292
Girls' Grammar " 53...	.....	.....	.....	1	24	69	88	96	107	81	51	14	6	1	.....	.....	538
Girls' Primary " 53...	6	68	85	69	55	35	14	12	8	1	.....	.....	.....	.....	.....	.....	353
Primary " 54...	.....	80	118	117	88	72	29	21	5	2	1	.....	.....	.....	.....	.....	533
" " 55...	.....	50	82	88	77	57	33	14	4	.....	.....	.....	.....	.....	.....	.....	405
Grammar " 55...	.....	.....	.....	4	26	45	78	83	58	28	7	1	.....	.....	.....	.....	330
School " 56...	3	59	74	73	66	39	28	6	2	2	.....	.....	.....	.....	.....	.....	352
" " 57...	8	34	27	31	20	29	26	15	19	6	8	2	.....	.....	.....	.....	225
" " 58...	2	31	63	50	51	45	48	45	24	20	8	.....	.....	.....	.....	.....	387
" " 59...	5	13	10	19	11	16	17	10	18	20	7	1	.....	.....	.....	.....	147
" " 60...	1	93	114	106	110	105	98	95	74	49	22	9	5	.....	.....	.....	881
Boys' Grammar " 61...	.....	.....	.....	2	25	36	44	70	61	32	13	4	.....	.....	.....	.....	287
Girls' Grammar " 61...	.....	.....	.....	2	18	44	45	55	48	42	42	10	.....	.....	.....	.....	306
B. and G. Prim. " 61...	.....	9	51	72	60	25	11	5	3	.....	1	.....	.....	.....	.....	.....	237
School " 62...	17	56	69	50	66	46	29	6	1	.....	.....	.....	.....	.....	.....	.....	340
" " 63...	3	46	52	57	72	56	61	56	72	45	24	13	1	.....	.....	.....	558
" " 64...	.....	8	16	13	6	12	7	5	1	.....	.....	.....	.....	.....	.....	.....	68
" " 65...	.....	23	40	39	38	39	36	39	24	18	5	.....	1	.....	.....	.....	302
" " 66...	.....	.....	.....	.....	4	17	38	42	32	24	5	2	.....	.....	.....	.....	164
" " 67...	2	40	41	74	34	33	19	12	1	1	.....	.....	.....	.....	.....	.....	257
" " 68...	7	30	62	54	70	64	51	75	50	28	16	5	.....	.....	.....	.....	512
" " 69...	9	108	111	123	113	115	120	82	64	32	20	2	1	.....	.....	.....	900
Totals.....	90	853	1,161	1,187	1,202	1,200	1,102	1,055	838	578	303	84	22	1	.....	.....	9,676

TABLES ACCOMPANYING SUPERINTENDENT'S REPORT.

TABLE D—Concluded.

RECAPITULATION.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																TOTALS.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
College and High	.....	.....	.....	.....	.....	.....	.....	.....	35	235	369	415	314	212	73	26	1,679
Polytechnic Institute	.....	.....	.....	.....	.....	.....	3	10	37	64	78	60	60	23	9	.....	344
Boys' Grammar	30	63	71	115	433	924	1,388	1,568	1,240	886	411	114	13	2	1	.....	7,259
Girls' Grammar	62	189	160	227	487	1,056	1,402	1,599	1,332	939	49	153	37	3	1	.....	8,138
English German	95	801	868	877	972	928	916	757	459	222	64	17	1	.....	.....	.....	6,977
Boys' Primary	244	1,999	2,160	2,186	1,995	1,222	751	419	158	34	6	.....	.....	.....	.....	.....	11,177
Girls' Primary	324	1,728	2,086	2,150	1,850	1,151	659	266	111	17	2	2	.....	.....	.....	.....	10,346
Colored	139	670	880	1,041	1,042	1,071	983	1,046	880	617	431	214	65	14	1	.....	9,124
Annex	90	853	1,161	1,187	1,202	1,200	1,102	1,055	838	578	303	84	22	1	.....	.....	9,676
Totals	984	6,303	9,386	7,786	7,981	7,552	7,204	6,720	5,090	3,622	1,713	1,059	512	255	85	26	64,720

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E.

STATEMENT SHOWING THE NUMBER OF PUPILS IN EACH GRADE.

SCHOOLS, COLLEGE, HIGH AND POLYTECHNIC.	Fifth Year.	Fourth Year.		Third Year.		Second Year.		First Year.		Preparatory.			TOTALS.	
	Males.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males Sixth Grade.	Males Seventh Grade.	Males Eighth Grade.	Males.	Females.
Baltimore City College	33	46	.....	70	.....	111	.....	296	.....	.....	.....	.....	556	.....
Eastern High	.....	.....	54	.....	65	.....	102	.....	153	.....	.....	.....	.....	374
Western High	.....	.....	63	.....	108	.....	167	.....	218	.....	.....	.....	.....	556
Baltimore Polytechnic Inst.	.....	.....	.....	30	.....	25	.....	75	.....	.....	87	61	278	.....
Colored Polytechnic Inst.	.....	.....	.....	15	.....	8	.....	7	.....	26	10	.....	66	.....
High—Colored	.....	3	15	4	28	17	26	24	76	.....	.....	.....	48	145
Totals	33	49	132	119	201	161	295	402	447	26	97	61	948	1,075

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

GRAMMAR SCHOOLS.	Eighth Grade.	Seventh Grade.	Sixth Grade.	Fifth Grade.	Fourth Grade.	TOTALS.
Boys' No. 1	20	43	51	62	96	272
" " 2	25	36	80	99	209	449
" " 3	.....	10	25	47	93	175
" " 4	34	34	72	94	123	357
" " 5	24	34	46	96	114	314
" " 6	28	39	77	82	100	326
" " 7	56	32	99	125	154	466
" " 8	24	51	85	111	149	420
" " 10	.....	43	79	139	157	418
" " 11	39	40	75	103	168	425
" " 12	16	22	45	105	201	389
" " 13	.....	16	26	35	78	155
" " 15	34	71	90	101	144	440
" " 17	33	41	80	80	131	365
" " 18	34	43	72	82	118	349
" " 19	46	49	99	84	99	377
" " 20	43	78	134	154	222	631
" " 21	19	40	75	81	120	335
Totals	475	722	1,310	1,680	2,476	6,663
Girls' No. 1	22	34	69	70	77	272
" " 2	20	37	79	122	195	453
" " 4	19	32	69	86	125	331
" " 5	28	37	63	67	96	291
" " 6	50	71	80	80	76	357
" " 7	21	32	81	119	167	420
" " 8	18	45	92	129	147	431
" " 10	31	33	65	157	167	453
" " 11	25	30	82	115	138	388
" " 12	12	23	54	112	210	411
" " 13	16	33	40	79	89	257
" " 15	60	88	125	184	155	612
" " 17	22	37	60	97	114	330
" " 18	37	53	87	99	109	385
" " 19	64	71	84	53	80	352
" " 20	69	130	122	228	212	761
" " 21	29	71	97	115	141	453
Totals	543	855	1,349	1,912	2,298	6,957

TABLES ACCOMPANYING SUPERINTENDENT'S REPORT.

TABLE E—Continued.

PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	TOTALS.	PRIMARY SCHOOLS.	Third Grade.	Second Grade.	Third Grade.	TOTALS.
Boys' No. 1..	91	87	135	313	Girls' No. 1..	86	102	137	325
" " 2..	44	58	138	240	" " 2..	43	42	212	297
" " 3..	104	161	199	464	" " 4..	68	83	113	264
" " 4..	65	76	117	258	" " 5..	103	157	144	404
" " 5..	98	100	203	401	" " 6..	54	70	147	271
" " 6..	57	82	141	280	" " 7..	53	46	141	240
" " 7..	36	58	106	200	" " 8..	50	65	94	209
" " 8..	43	68	129	240	" " 10..	46	56	75	177
" " 10..	42	47	74	163	" " 11..	146	139	230	515
" " 11..	93	171	213	477	" " 12..	78	85	115	278
" " 12..	77	80	123	280	" " 13..	61	74	105	240
" " 13..	44	49	151	244	" " 14..	64	61	99	224
" " 14..	91	67	96	254	" " 15..	86	107	126	319
" " 15..	103	107	128	338	" " 16..	65	79	91	235
" " 16 .	65	78	96	239	" " 17..	67	71	118	256
" " 17..	61	71	97	229	" " 18..	43	52	58	153
" " 18..	39	38	78	155	" " 19..	40	72	50	162
" " 19..	49	54	47	150	" " 20..	192	201	283	676
" " 20..	213	252	283	748	" " 21..	42	38	96	176
" " 21..	65	66	103	234	" " 22..	79	83	114	276
" " 22..	70	80	127	277	" " 23..	87	97	147	331
" " 23..	71	81	141	293	" " 24..	78	107	121	306
" " 24..	47	99	160	306	" " 25..	45	99	143	287
" " 25..	74	87	142	303	" " 26..	53	42	84	179
" " 26..	62	36	76	174	" " 27..	59	82	156	297
" " 27..	63	84	153	300	" " 28..	73	89	125	287
" " 28..	87	98	126	311	" " 29..	39	46	92	177
" " 29..	39	46	91	176	" " 30..	149	164	244	557
" " 30..	129	164	234	527	" " 32..	63	72	113	248
" " 31..	85	98	130	313	" " 33..	69	85	125	279
" " 32..	77	82	99	258	" " 34..	61	89	113	263
" " 33..	77	93	135	305	" " 35..	37	47	109	193
" " 34..	44	82	137	263	" " 36..	65	62	77	204
" " 35..	32	40	102	174	" " 37..	69	106	176	351
" " 36..	40	71	127	238	" " 38..	49	49	84	182
" " 37..	74	101	192	367	" " 39..	37	40	82	159
" " 38..	35	49	78	162	" " 40..	73	116	160	349
" " 39..	48	44	83	175					
" " 40..	82	92	174	348					
Totals.....	2,716	3,297	5,164	11,177	Totals.....	2,572	3,075	4,699	10,346

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

MIXED SCHOOLS.		8th Grade		7th Grade		6th Grade		5th Grade		4th Grade.		3d Grade.		2d Grade.		1st Grade.		TOTALS.		GRAND TOTALS.
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
B. & G. G. & P.	No. 9			13	11	8	9	11	6	21	12	17	15	20	14	23	24	113	91	204
Boys' Grammar	" 16			7		14		28		50		66		89		138		392		392
Girls' "	" 16				8		16		43		47		49		73		174		410	410
Girls' "& Prim.	" 3		6		24		46		71		81		108		221		214		771	771
English-German	" 1	8	9	10	9	20	15	14	27	23	21	52	27	22	24	37	48	186	180	366
" "	" 2	8	7	24	1	41	33	33	34	70	84	84	87	82	90	126	125	468	461	929
" "	" 3	11	15	22	37	54	46	61	69	116	99	138	136	157	151	200	231	759	784	1,543
" "	" 4	18	9	22	28	58	53	59	80	94	82	116	100	123	107	156	166	646	625	1,271
" "	" 5	19	17	27	50	45	50	96	83	96	76	106	85	87	68	149	88	625	517	1,142
" " G.	" 6	4	3	5	7	23	17	44	39	85	95	43	59	55	57	109	122	368	399	767
" " P.	" 6											36	52	61	75	74	57	171	184	355
" "	" 7	2	5	16	13	21	19	39	30	46	35	59	50	71	62	71	66	324	280	604
School	" 100	9	17	14	29	26	49	84	88									133	183	316
Boys' School	" 101	9	22	14	28	23	51	48	86									94	187	281
School	" 102	12	12	10	30	24	24	39	59									85	125	210
"	103	6	16	25	23	28	27	74	66									133	132	265
Boys' School	" 104									21		44		32		23		120		120
" "	" 105									33		89		58		131		311		311
" "	" 106									48		74		82		154		358		358
" "	" 107									45		74		109		222		450		450
" "	" 108									15	15	23	18	31	45	56	60	125	138	263

Boys' School	No.	109								26		34		49		115		224		224
" "	"	110			9		18		25		42		59		83		184		420		420
" "	"	111									40		51		46		154		291		291
" "	"	112									93		145		147		296		681		681
" & Girls' School	"	113	5	14	14	13	15	18	29	37	33	37	72	68	63	62	82	98	313	347	660
" " "	"	114									23	4	36	5	59	9	134	9	252	27	279
Boys' School	"	115	3	3	3	4	1	5	8	10	10	14	19	15	18	19	27	49	89	119	208
Girls'	"	104										48		69		75		91		283	283
"	"	105										53		47		82		153		335	335
"	"	106										45		79		90		195		409	409
"	"	107										67		76		143		282		568	568
"	"	109										15		26		37		137		215	215
"	"	110		11		18		46		48		53		94		100		189		559	559
"	"	111										34		42		76		150		302	302
"	"	112										89		194		228		353		864	864
"	"	114										18		35		87		112		252	252
Total males			114		235		419		692		1,030		1,437		1,544		2,661		8,132		17,878
Total females				166		333		524		876		1,124		1,536		1,995		3,193		9,747	

TABLE E—Continued.

ANNEX SCHOOLS.		8th Grade.		7th Grade		6th Grade		5th Grade		4th Grade		3d Grade		2d Grade		1st Grade		TOTALS.		GRAND TOTALS.
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
School No.	50	.....	.....	.....	.....	18	13	10	23	21	17	14	23	21	28	56	48	140	152	292
" "	51	24	25	36	34	50	37	65	61	57	55	94	64	85	63	134	126	545	465	1,010
" "	52	33	.....	42	.....	50	.....	78	.....	89	.....	.....	.....	.....	.....	.....	.....	292	.....	292
G. G, "	53	.....	64	.....	64	.....	126	.....	130	.....	154	.....	.....	.....	.....	.....	.....	.....	538	538
Primary "	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	107	.....	45	.....	201	.....	353	353
" "	54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	86	.....	119	83	235	.....	450	83	533
Gram. "	55	3	13	9	25	12	32	47	42	66	81	.....	.....	.....	.....	.....	.....	137	193	330
Primary "	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68	57	49	57	90	84	207	198	405
" "	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	33	56	48	93	89	182	170	352
" "	57	.....	.....	6	6	10	5	12	14	15	14	14	12	17	20	41	39	115	110	225
" "	58	3	4	9	6	8	17	25	22	25	33	26	34	33	24	56	62	185	202	387
" "	59	3	6	6	4	8	8	12	8	10	6	11	14	14	10	14	13	78	69	147
" "	60	7	17	20	20	26	43	36	46	80	61	75	67	86	92	103	102	433	448	881
Boys' G. "	61	29	.....	43	.....	79	.....	55	.....	81	.....	.....	.....	.....	.....	.....	.....	287	.....	287
Girls' G. "	61	.....	44	.....	78	.....	54	.....	58	.....	72	.....	.....	.....	.....	.....	.....	.....	306	306
Primary "	61	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45	51	42	53	26	20	113	124	237
" "	62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24	25	51	51	87	102	162	178	340
" "	63	15	15	18	29	25	37	41	35	39	35	35	43	41	41	51	55	268	290	558
" "	64	.....	.....	.....	.....	2	2	4	4	5	3	9	5	7	8	12	7	39	29	68
" "	65	2	1	5	3	11	13	13	20	21	24	20	21	38	18	44	48	154	148	302
" "	66	3	8	8	11	19	19	15	29	17	35	.....	.....	.....	.....	.....	.....	62	102	164

School No. 67..											19	26	48	34	60	70	127	130	257	
" " 68..	8	9	11	20	17	20	37	21	36	30	43	38	51	38	76	57	279	233	512	
" " 69..	7	5	12	9	19	23	41	47	73	76	83	78	92	79	130	126	457	443	900	
Totals, males	137		225		354		491		645		699		850		1,311		4,712			
" females		211		309		449		560		696		698		792		1,249		4,964		
Grand totals																			9,676	
Boys' Grammar Schools	475		722		1,310		1,680		2,476								6,663		6,663	
Girls' " "		543		855		1,349		1,912		2,298								6,957	6,957	
Boys' Primary "											2,716		3,297		5,164		11,177		11,177	
Girls' " "												2,572		3,075		4,699		10,346	10,346	
Mixed "	114	166	235	333	419	524	692	849	1,030	1,120	1,437	1,536	1,544	1,995	2,661	3,193	8,132	9,747	17,878	
" G. and P. "	137	211	225	309	354	449	491	560	645	696	699	698	850	792	1,311	1,249	4,712	4,964	9,676	
Totals, males	726		1,182		2,083		2,863		4,151		4,852		5,691		9,136		30,684			
" females		920		1,597		2,322		3,321		4,114		4,806		5,862		9,131		32,014		
Grand totals																			62,698	

TABLE E—Concluded.

RECAPITULATION.

	Males.	Females.	Totals.
No. in fifth year, Baltimore City College	33	.....	33
" fourth year, B. C. C. and High	49	132	181
" third year, B. C. C., High and Polytechnic	119	201	320
Totals	201	333	534
Number in Grammar, eighth grade	475	543	1,018
" seventh grade	722	855	1,577
" sixth grade	1,310	1,349	2,659
" fifth grade	1,680	1,912	3,592
" fourth grade	2,476	2,298	4,774
Totals	6,663	6,957	13,620
Number in Primary, third grade	2,716	2,572	5,288
" second grade	3,297	3,075	6,372
" first grade	5,164	4,699	9,863
Totals	11,177	10,346	21,523
Number in Mixed Schools, eighth grade	251	377	628
" " seventh grade	460	642	1,102
" " sixth grade	773	973	1,746
" " fifth grade	1,183	1,436	2,619
" " fourth grade	1,675	1,820	3,495
" " third grade	2,136	2,234	4,370
" " second grade	2,394	2,787	5,181
" " first grade	3,972	4,442	8,414
Totals	12,844	14,711	27,555
Number in High Schools	201	333	534
" Grammar Schools	6,663	6,957	13,620
" Primary Schools	11,177	10,346	21,523
" Mixed Schools	12,844	14,711	27,555
Totals	30,885	32,347	63,232

REPORT

—OF THE—

SUPERVISOR OF SCHOOL BUILDINGS.

BALTIMORE, January 1, 1901.

To the Board of School Commissioners:

The following report is respectfully submitted, showing the physical condition of the public school buildings of this city for the year ending December 31, 1900:

To attempt a description of each of the 101 buildings owned by the city, and the 28 buildings rented for school purposes, would transcend the limits of this report; I have, therefore, grouped them in classes, and will specify the general characteristics of each group.

The buildings of Class No. 1 may be designated "Modern," of Class No. 2 as "Good," of No. 3 as "Fair," No. 4 as "Defective," No. 5 as "Very Defective," and No. 6 as "Delinquent."

Class No. 1.—"*Modern.*"—This class embraces buildings erected within the past six years. They are all carefully planned, having class-rooms of ample size—all well lighted; wide corridors; stairways generally fire-proof and enclosed by brick walls; heating by steam, except in Nos. 61 and 112; automatic temperature regulation; ventilation thorough, and forced by electric or steam fans in most cases; automatic flushing latrines, or other modern sanitary closet arrangements having connection with the city sewers. The yards or playgrounds of two of them are small—the others are all large and well paved. That of the city college has just been paved with asphalt hexagonal-shaped tiles, affording the

boys a fine playground. These buildings are, in the main, substantial in construction, and all possess more or less architectural merit. No. 7 Grammar School is the best specimen of a thoroughly well-designed school building in the city. This group embraces No. 7 Grammar School, Girls' Grammar and Primary School No. 53, the Baltimore City College, the Western High School, Grammar and Primary School No. 61, Colored School No. 112 and No. 4 Primary.

Class No. 2.—"*Good.*"—In this group are included Nos. 34, 35 and 37 Primary Schools, the Eastern High School, English-German No. 6 and Colored Primary No. 113. The high school is heated by steam; the others by first-class hot-air furnaces. Except in the case of the high school the method of ventilation is modern, and, although not of the best character, is fairly effective. Nos. 35 and 37 Primary have the Smead dry closets, and No. 6 English-German the Fuller-Warren system; No. 113 has the Smead closet and connection with sewer. These dry closets, whilst new and when properly and carefully attended to, are fairly satisfactory, but become very objectionable in a few years. These buildings are all well lighted, excepting a few class-rooms in the high school. Yards and playgrounds are ample The high school and No. 34 primary have flushing latrines or closets with sewer connection. The expenditure of a moderate sum upon these schools should suffice to bring them up to a fairly good standard. The high school was built in 1868, and the others within the past six years, and have all been kept in good condition by the Building Department. All the stairways are ample, and some of them are fire-proof. The mechanical workmanship upon No. 6 English-German School was, much of it, very poorly done.

Class No. 3.—"*Fair.*"—Embraced in this class are English-German School No. 1, Baltimore Polytechnic Institute, No. 1 Girls' Primary and Grammar, Nos. 3 and 19 Primary and Grammar, Nos. 8, 18 and 20 Grammar, Nos. 13, 14, 31 32 and 33 Primary, Colored Primary No. 106 and Schools

No. 55, 60, 67 and 68. Taking English-German No. 1 as a fairly representative type, we find class-rooms of good size and well lighted, wide corridors, ample stairways and good playgrounds in most cases. The heating is by the Smead hot-air furnace, which is very good of its kind, and is satisfactory when intelligently managed. The ventilation here is the Smead system, which aims to carry out the foul air from class-rooms through registers located in the washboard, under and across the floors to ducts and down to "foul air gathering room" in the basement; thence to the dry closet, and on and out through the chimney or ventstack. In this school the dry closets have been removed, and flushing latrines with sewer connections substituted; but this system of ventilation is vicious, and often dangerous, as, should the current be reversed (which is both possible and likely), the foul air from the closets would be carried into the class-rooms. So far as the means at the disposal of the Inspector of Buildings would permit, these dry closets have been and are being removed, and sanitary arrangements substituted. Not all of this group are heated by Smead furnaces; No. 3 Grammar and Primary, No. 1 Grammar and Primary, etc., have other furnaces—often the "Barstow Bay State;" and the ventilation is only from the ceiling of the class-rooms, opening into conduits or flues leading to a large ventstack, which is warmed by the iron smokepipe placed in it. This system is but little better than the simple method of lowering the upper window-sash to let the hot air at the ceiling of room pass out. An improved method of ventilation should be introduced into all the buildings of this class.

Class No. 4.—"*Defective.*"—I include in this class No. 1 Boys' Grammar and Primary, Grammar Schools Nos. 2, 6, 11, 12, 16 and 22; Primary Schools Nos. 5, 11, 16, 23, 24, 25, 29, 30, 39 and 40; the Colored High and Grammar School, Colored Primary No. 110, and schools Nos. 54, 63 and 69. This class does not differ greatly from No. 3, but is somewhat lower as to its standard of efficiency. For instance, the

Colored High and Grammar school is built in the centre of a block; the buildings on each side coming so close to the school windows, and shutting out the daylight, that gas must be burned in some of the class-rooms, even on clear days. This feature and the lack of ventilation makes this building an undesirable one for school purposes. The defective ventilation could be remedied at a moderate expense; but to supply natural light for the dark rooms, which could only be done by the use of Luxfer prisms or similar device, would be expensive. It should be done, however costly, or the eyes of the children and teachers will be injured. No. 2 Grammar School, corner Broadway and Bank street, is a well-arranged building, but some of its class-rooms have insufficient light, owing to the proximity of a warehouse, lately erected, on the south side. The ventilation here is poor. In this building the first Smead system was introduced in Baltimore. The dry closets have been taken out, and sanitary flushing latrines substituted, which is a long step in the right direction, but the defective and inefficient method of ventilation still remains to be displaced by a system that performs its work with some degree of thoroughness.

In several buildings of this group, viz: Nos. 2, 6, 11 and 12 Grammar and Nos. 5, 11 and 30 Primary, the old cesspools have been cleaned out and filled with earth and paved over, thereby increasing the yard accommodation, and sanitary flushing latrines placed in the basement. All these buildings are heated by hot-air furnaces, some of them good and others indifferent, and having very inadequate ventilation.

Class No. 5.—"*Very defective.*"—This group includes Grammar Nos. 4, 5, 10, 15, 17 and 21, Primary Nos. 2, 8, 10, 12, 15, 18, 20, 21, 22, 27, 28, the Colored Manual Training School, Colored Grammar Nos. 101 and 102, Colored Primary No. 105, and Schools Nos. 50, 52, 58, 65 and 66. In two of this group, viz.: No. 4 Grammar and No. 20 Primary, the cesspools and yard privies have been eliminated and sanitary flushing closets placed in the basements. The others have

the old cesspools and brick or frame privies. These old cesspools are always more or less foul and often very offensive, and should be removed as speedily as may be practicable and sanitary latrines substituted with sewer connections where this may be had, although the propriety of running this foul waste into the harbor to become a stench in the nostrils of South Baltimore and a menace to its health may well be questioned. The need of a sewerage system is nowhere more apparent than in connection with our public school buildings. No. 15 Grammar School is heated by furnaces, all the others by stoves, generally one in each classroom, but sometimes two. In No. 20 Primary there are thirty-two stoves—*thirty-two fires in one building;* in No. 21 Grammar, twenty-three stoves; and averaging in each building from ten to twelve stoves. The risk of fire is generally greater from a stove than from a furnace, when their management and care in the schools is considered. A stove needs almost constant watching; and as teachers are sometimes forgetful, and sometimes neglectful, a stove is likely to become a source of danger. There is no provision made for ventilation where buildings are heated by stoves other than opening the window sash, and to do this causes discomfort to scholars sitting near the windows and may cause sickness. The space occupied by stoves in a class-room could be filled to better advantage by desks. They should be removed from all buildings wherever it is practicable to do so. Most of this group have little or no cloak-room accommodation. Wraps must be hung in the class-rooms on hooks placed around the room against the walls or wainscoting. On damp days this is more than disagreeable, it is offensive, and frequently dangerous to health. To rearrange the class-room partitions of these schools so as to provide corridors (which most of them lack) would entail large expense and the buildings are not always worth it. A type of school much in vogue twenty years ago is one having a large assembly or principal's room, around which on three sides are placed the class-rooms, without corridor or cloak-room, and in dismissing the schools all scholars must pass

through the principal's room. This is also the case when entering. The annoyance to the principal and his class, of this arrangement, can easily be imagined. Every member of this class or group should have a thorough overhauling and be put in a condition fit for school purposes. An average of twenty-five hundred dollars for each building is a moderate estimate of the cost of such work.

Class No. 6.—"Delinquent." Included in this group are Primary Schools Nos. 6, 7, 17, 26 and 38, Colored Primary Schools Nos. 107 (both buildings), 108, 109, 111 and 115, and Schools Nos. 51, 57 and branch of No. 60; also all the rented buildings, excepting possibly that the branch of English-German No. 6, School No. 56, branch of English-German No. 3, and the old Brady Mansion, a branch of No. 51, do not deserve to be styled "delinquent."

No. 6 Primary, on South Ann street, has very contracted side yards, has no cellar, being built on ground affected by the tides; has no chimneys; the smoke pipes being run out through the walls; has no corridors or cloak-rooms, and is in a very small degree suitable for school uses. It should be abandoned.

No. 17 Primary has been somewhat improved lately, but the rooms are dark, yards small, no cloak-rooms and no corridors, and surroundings unsanitary to a marked degree. No amount of money spent upon this building could make it a creditable school-house. It should be abandoned. No. 26 Primary is but a little better than No. 17. Nor are the colored schools named in this group any better. Money spent on any of them is wasted. They are unfit for occupancy by human beings. The stairways in No. 109 are steep, contracted, circular and dangerous. Sanitary conditions in all are bad.

School No. 51 (old Annex No. 2) in Waverly is fairly well lighted, but the arrangement is so faulty, the stairways poor, no cloak-room, except what may be provided in the halls, no cellar, except under a very small portion of the front, no ventilation, stoves for heating, old frame privies in yards, building old and in need of constant repair.

The branch of No. 60 (old Annex No. 8, on Clifton street), is one of the old county schools. It is fast tumbling to pieces. The lot is too narrow, 40 feet, for a school building. Its general condition is as bad as any of this group.

No. 57 is a one-story frame building; much out of repair; badly located, and only serviceable because there is nothing better in the neighborhood.

The rented buildings are mostly dwellings. The four named above answer their purpose fairly well as temporary expedients, but should be abandoned as soon as better buildings can be provided. Respecting the other rented buildings, about all the good that can be said of them is that they have walls and roof, and provide shelter from the weather; in every other respect they are unfit for school purposes. The class-rooms are narrow and generally dark; hallways very contracted; stairways suitable for dwelling-house tenants, but too small for crowded schools, and may occasion loss of life in case of fire or panic. The heating is by stoves; in one building a stove on the lowest floor heats the room in which it is located and two rooms above—one on the second and one on the third floor. As to ventilation, there is none. The closet or privy accommodation is shamefully inadequate in nearly every instance—in some cases painfully so.

The inadequacy of the school buildings proper to furnish the requisite accommodation for all the pupils applying for admission compels the Board of Education to provide additional quarters in rented buildings. In very few such buildings, indeed, is it possible to find rooms furnishing school necessities; the lighting is poor; arrangement defective; means of access unsuitable. When rented, it is the custom for the city to so alter partitions as to make the buildings conform as nearly as may be practicable to school requirements. This always entails expense—sometimes it is considerable. Besides, the buildings must be kept in repair by the city, and restored to their former condition when they are vacated, adding still further to their cost. The rentals paid

for these buildings I do not consider excessive, except, possibly, in a few cases.

The number of pupils on roll in these rented buildings is 6,039; number of classes, 136; amount of rent paid, $11,858.00; average number of scholars to class, 44.40; average number of classes to each building, 4.85; average number of scholars to each building, 215.7.

Rentals of 28 buildings	$11,858	00
Estimated cost of repairs and alterations per year	2,800	00
Total cost to city	$14,658	00
Average cost per class-room	$107	77
Average cost per scholar ($107.77÷44.4)=	2	43

Let us compare the foregoing with No. 53 school, corner 26th and St. Paul streets, which is a modern building, fulfilling very nearly, or quite, all the requirements of a model schoolhouse.

Cost of No. 53 School	$53,980	59
Cost of lot	10,000	00
	$63,980	59
Four per cent. interest	$2,559	20
Repairs of Building, 2 per cent	1,079	60
Yearly expense	$3,638	80
Average cost per year per class-room	$181	94
Average cost per year per scholar (50 scholars to each room)	$3	64

If, however, we crowd the class-rooms of No. 53, as is done in the rented buildings, we may, for our comparison, compute upon a basis of 75 or 80, or even 90 to a room.

Taking 75 as the number of scholars to each class-room, and still give to each more square feet of floor space than is

had in any of the rented buildings, with better heating facilities, better ventilation and better lighting, and we have:

Yearly expense, as above	$3,638 80
Average cost per year per class-room	181 94
Average cost per year per scholar	2 43

No account has been taken in this calculation of the additional expense to the city of maintaining the schools in so many separate buildings, owing to principal's salaries, janitor service, etc. These six thousand pupils could easily be provided for in five or six buildings like No. 53 School.

It is thus easily proven that as a matter of economy it would pay to cease renting buildings for such purposes and to erect modern school houses. And when we consider further the injury that may result to the health of the scholars occupying these buildings, or contemplate the mental or moral injustice done to the individual and to the community by methods such as these, the evident loss goes beyond my ability of computation.

Janitor Service.—The care of the school buildings is placed in the hands of 55 firemen and janitors and 211 janitresses. The changes made in this force since March 1, 1900, have been 13 males and 20 females. A few of these have been occasioned by death or resignation, the others by removal for cause. No political consideration has had the slightest weight with me in any case of dismissal; each and every discharge has been for misconduct, incompetency or drunkenness. Nor has any qualification other than fitness influenced me in any recommendation that has been made for appointment.

The quality of the service rendered, I am satisfied, has improved, and shall continue to improve. To carefully supervise the work of so many employes is no little task; to keep them all up to a proper standard is possibly still more difficult, but of the majority I can only speak in words of commendation.

The pay received by some of the firemen is, in my opinion, insufficient. These men are required to attend the furnaces and keep the building properly warmed, to care for the entire basement story, including toilet rooms, to care for yards and sidewalks, and keep all clean; to remain at the building during school hours, and not to leave without permission of the principal. The fireman of No. 14 Primary School, for instance, receives twenty-five dollars per month. It is too little.

No formulated set of rules has been issued to these employes specifying what they must do and what not to do, but all have been given distinctly to understand that they are supposed to have sufficient intelligence to know that their building must be faithfully cared for in a manner which will best conduce to the comfort of teachers and scholars. Words of commendation, when deserved, have been given; advice and instruction where needed have been imparted; and those employes requiring reprimand seldom fail to receive it.

Repairs by Inspector of Buildings.—During the summer vacation of 1900 many repairs were made by the Inspector of Buildings to most of the school buildings owned by the city, as will appear from his report; and, as a whole, they may now be said to be in fair condition. Furnaces he has overhauled quite thoroughly, and most of them are in good order. If more money were given him for this work, many needed improvements could be made and conveniences introduced that would add to the comfort of the scholars. The Inspector has, however, done but little toward repairing rented buildings.

Repairs to Furniture, Stoves, etc.—The wear and tear upon the desks and other school furniture is considerable, especially as much of it is old. So also with the stoves. Many of them are old, and in numbers of instances they are improperly cared for and sometimes abused. Constant requests are being made by principals for repairs to the furnishings of their buildings, which cannot always be made owing to the scarcity of funds. Five thousand dollars a year will not suffice to make the necessary repairs.

Retiring Room.—I would suggest and recommend that a room be provided and suitably furnished in every Girls' Grammar School as a retiring room, to be used in case of sickness.

Furniture.—Many of the schools lack proper cases for books, cabinets for specimens, minerals, etc., suitable desks for principals and teachers; furniture for the reception or teachers' room; in some new organs are asked for, new single-seated desks for scholars, better chairs and other conveniences that may be legitimately demanded.

Fuel.—The supply of coal required by the schools was distributed for the most part during the month of August. A special agent of this department was stationed at each coal yard to witness the weighing, screening and delivery of the coal. The care of the fuel after being placed in the cellars is with the firemen and janitresses, and each one is required to use due care that there shall be no wastefulness. The experience of one heating season will enable me to determine which fireman has best managed his fuel supply and which one has failed to intelligently regulate his heating apparatus and secure the best results with the smallest expenditure of of fuel. It is my desire that the party rendering the best service shall receive some recognition from the Board of School Commissioners.

City College.—The gymnasium in this building has been equipped with a well-selected assortment of gymnastic apparatus and a running track by the A. G. Spalding Company, of Chicopee Falls, Massachusetts. Three hundred and fourteen lockers have been placed in the adjoining rooms (near the baths) by Otto Duker & Company, of Baltimore.

In the Assembly Hall will be placed nearly eight hundred opera chairs under a contract with the Dulany Company, of Baltimore. A fine large case, with glass front, has been placed against the rear wall of stage platform for the reception of the college flags. Suitable tables, chairs and other stage furniture have been provided.

Mr. Fred. Frick, of Waynesboro', Pennsylvania, has installed a system of electric bells, battery, etc., and program clock.

Teachers' Training School.—The third floor of Boys' Primary and Grammar School, northeast corner of Fayette and Greene streets, has been suitably fitted up for the Training School. It includes a good Assembly Hall, four class-rooms, locker-room, toilet-rooms, office and library. Drawing tables, demonstration and working tables, cases, shelving, blackboards, chairs, desks and other furniture have been provided and the building is well equipped for its work.

Two or more rooms in the Colored High and Grammar School will be properly equipped for the training of colored teachers.

Western High School.—A room in this building has been supplied with specially prepared tables for the microscope work to be done here under the direction of Miss Lida Eckel. Cases for books, instruments and specimens, teachers' tables, revolving stools, chairs, etc., have all been provided.

Decoration of Schools.—The walls and ceilings of No. 37 Primary School have been tinted in water color, with a wainscot or base in oil, throughout the entire first and second stories of the building, all in tones which are very pleasing. This work was done by order of Mr. E. D. Preston, Inspector of Buildings. All of the furniture of these two stories has been put in order and varnished or painted by order of this department.

Through the courtesy of the Municipal Art Society and under the direction of its President, Mr. Theodore Marburg, the walls of class-rooms and corridors and halls of this school have been hung with pictures, engravings, paintings, etchings, photographs and plaster casts of very considerable value. This building has thereby been made an object lesson in æsthetics, and its influence upon the scholars who attend this school in elevating and refining their higher natures may

be of untold benefit to the community. The thanks of the entire city are due to Mr. Marburg and his associates for their thoughtful generosity.

Some three other schools had been decorated by this Society in a previous year, but none to the extent that has been done here.

Very respectfully,

BENJ. B. OWENS,
Supervisor of School Buildings.

PAPERS RELATING TO BALTIMORE CITY COLLEGE.

FACULTY.

FRANCIS A. SOPER, A.M., President,
Professor of Higher Mathematics.

CHARLES F. RADDATZ, Vice-President,
Professor of German and History.

A. L. MILLES, B.A.,
Professor of French and Latin.

POWHATAN CLARKE, M.D.,
Professor of Natural Sciences.

A. Z. HARTMAN, A.M.,
Professor of Latin and Greek.

JOSEPH H. ELLIOTT, Secretary of Faculty,
Professor of Book-keeping and Penmanship.

S. F. NORRIS,
Professor of Astronomy and Mathematics.

ALEXANDER HAMILTON,
Professor of English and Mathematics.

G EMORY MORGAN, A.M.,
Professor of Latin and Psychology.

PHILIP H. FRIESE,
Professor of Natural Sciences and English.

JULIUS G. MILLER,
Professor of Mathematics and Latin.

A. NEWTON EBAUGH, A.M.,
Professor of History and Political Economy.

JOHN F. ARTHUR,
Professor of English and History.

B. WHEELER SWEANY,
Professor of Drawing.

WILBUR F. SMITH,
Professor of Mathematics and English.

SAMUEL E. FORMAN, Ph.D.,
Professor of Latin and Associate in English.

CURRICULUM.

FIRST YEAR.

History of United States,
History of England,
Writing,
Composition,
Drawing,
Physics.
English Literature,
Latin,
Book-keeping.
Algebra,
Geometry.

SECOND YEAR.

Composition,
English Literature,
Book-keeping,
Physics,
Drawing,
Latin,
German,
Geometry,
History of Rome,
Mensuration,
Elocution,
Constitution of Maryland.

THIRD YEAR.

Composition and Elocution,
English Literature,
Drawing,
Latin,
Chemistry,
Review of Mathematics,
History of Greece and Eastern Nations,
German,
Greek (optional),
French,
Trigonometry and applications,
Rhetoric.

FOURTH YEAR.

English Literature and Essays,
Chemistry,
Latin,
Greek,
French,
Surveying and Navigation,
German,
Drawing,
Analytical Geometry,
Astronomy,
Civil Government,
Elocution.

FIFTH YEAR.

Latin,
Greek,
Calculus,
English Literature and Essays,
Mental Philosophy,
Political Economy,
French,
German,
Chemistry,
Astronomy,
Drawing,
Elocution.

RECITATIONS.

116th and 117th Terms.

RECITATIONS HEARD EACH WEEK BY THE RESPECTIVE PROFESSORS.

Professor Soper—Calculus, 4 times; Analytical Geometry, 6 times; Preparation, 4 times 14

Professor Raddatz—German, 21 times; English History, 2 times; Preparation, 1 time 24

Professor Milles—Latin, 9 times; French, 15 times 24

Professor Clarke—Natural Philosophy, 6 times; Chemistry, 18 times 24

Professor Hartman—Greek, 12 times; Latin, 12 times 24

Professor Elliott—Book-keeping, 21 times; Writing, 1 time; Preparation, 3 times 25

Professor Norris—Trigonometry, 12 times; Astronomy, 3 times; Surveying and Navigation, 4 times; Review Mathematics, 4 times; Preparation, 1 time 24

Professor Hamilton—Geometry, 18 times; Review Mathematics, 4 times; Algebra, 2 times; Preparation, 1 time 25

Professor Morgan—Latin, 20 times; Mental Philosophy, 2 times; Preparation, 2 times 24

Professor Friese—Composition, 8 times; Natural Philosophy, 12 times; History of United States, 3 times; Preparation, 1 time .. 24

Professor Miller—Latin, 10 times; Algebra, 6 times; Composition, 2 times; Geometry, 4 times; Preparation, 3 times 25

Professor Ebaugh—History, 19 times; Political Economy, 2 times; Civil Government, 2 times; Preparation, 1 time 24

Professor Arthur—English Literature, 15 times; Rhetoric, 9 times. 24

Professor Sweany—Drawing, 24 times; Preparation, 1 time 25

Professor Smith—History, 3 times; English Literature, 6 times; Writing, 5 times; Algebra, 4 times; Geometry, 2 times; Composition, 4 times; Preparation, 1 time 25

Professor Forman—Latin, 15 times; English Literature, 6 times; Composition, 1 time; Preparation, 2 times 24

CLASS RECITATIONS:

Recitations Made Each Week by the Different Classes.

Fifth Year—J. Calculus, 4; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Astronomy, 1; Political Economy and Psychology, or Greek, 4—24.

Fourth Year—I^1 and I^2.—Analytical Geometry, 3; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Greek, or Surveying and Navigation, 4; Astronomy, 1; Civil Government, 1—24.

Third Year—H^1, H^2 and H^3.—French, 3; German, 2; Chemistry, 3; English and Rhetoric, 3; Drawing, 1; Greek, or Review Mathematics, 4; Latin, 4; Trigonometry, 4; History of Greece and Eastern Nations, 1—25.

Second Year—B^1, B^2 and B^3.—German, 3; Physics, 2; English Literature 2; Drawing, 2; Latin, 4; Book-keeping, 3; Geometry, 4; Composition, 1; History of Rome and Constitution of Maryland, 2—23.

First Year—A^1, A^2, A^3, A^4, A^5 and A^6.—Latin, 5; History of England, 2; Drawing, 2; Book-keeping, 2; Writing, 1; Geometry, 2; Algebra, 2; English Literature, 2; Physics, 2; Composition, 2; History of the United States, 1—23.

ROLL FOR THE YEAR 1900.

Number of students on roll December 31, 1899	634
Number admitted by promotion during 1900	303
Number admitted from private schools during 1900	3
Whole number on roll during 1900	940
Number withdrawn during 1900	348
Number graduated in June, 1900	36
Number re-entered during 1900	5
Number on roll December 31, 1900	556
Average attendance during 1900	535.2
Average number on roll during 1900	569.6
Percentage of attendance for the year	93.9
Number on roll June 30, 1900	490
Number of those who returned after summer vacation	304
Number of new students entered after September 17, 1900	306
Whole number on roll from September 17 to December 31, 1900	610
Number withdrawn from September 17 to December 31, 1900	54

Graduates.

John Armstrong Addison,
Frederick Conrad Blanck,
Harry Buckner,
Walter Carroll Curran,
William Arthur Delcher,
John Peregrine Geiger,
James Melvin Graham,
Cary Dorsey Hall, Jr.,
Elmer Leinsz Hatter,
Charles Frederick Hemmeter,
David Hall Hepburn,
Edwin Wilhelm Herrmann,
Calvin Bourne Ireland,
John Garfield Lang,
Ephraim Leopold Miller,
Harry Scott Morton,
Emanuel Eli Ottenheimer,
Charles William Pacy,
Eugene Leo Pessagno,
Harry Adam Raider,
Harry LeRoy Robinson,
Clarence Jackson Rogers,
Charles Arthur Rowe,
Wallace Lane Saumenig,
Harry Ferdinand Schaefer,
George Murray Seal,
Harry Edward Seidel,
John Ridgely Sheridan,
Arthur Martin Siegk,
John Francis Steinmetz,
Charles Stubenrauch,
George Augustus Stumptner,
William Keene Travers,
Edward Raymond Turner,
Harold Edwin Willson,
Jacob William Winters.

Recipients of the Peabody Prizes.

Of the First Grade—$100 Each:

Edward Raymond Turner, Edwin Wilhelm Herrmann.

Of the Second Grade—$50 Each:

John Armstrong Addison, Charles William Pacy,
Charles Stubenrauch.

Recipient of the Frederick Raine Medal:

Edward Raymond Turner.

Papers Relating to Baltimore Polytechnic Institute.

The Baltimore Polytechnic Institute is one of the several High Schools maintained by the City of Baltimore, and aims primarily to give a sound English education, the classical studies of Greek and Latin forming no part of its curriculum. Especial care is taken that adequate instruction is given in the college entrance requirements in history, literature and language, in order that a student in no sense jeopardize his chances for a higher education.

In organization there are separate departments with executive heads, the president exercising supervision over all.

The mechanical features are of but secondary importance during more than half the course, serving only to give to a boy that healthful and highly valuable manual training which broadens education and conduces to dexterity, contrivance and invention.

At present there is a preparatory department consisting of two classes of the seventh and eighth grammar grades, and their course of instruction is exactly parallel to that of the corresponding classes of the grammar schools, with the exception that they are given four hours' instruction each week in carpentry and sheet-metal work.

As no accessions were made to these preparatory classes this year, it would appear to be the intention to supersede this class of instruction by the establishment in the city of manual training centres, at which grammar school pupils will attend some definite period each week.

COURSE OF INSTRUCTION.

DEPARTMENT OF ENGLISH.

FIRST YEAR COURSE—C CLASS.

Composition and Rhetoric.—32 weeks, 2 hours a week.
Literature.—32 weeks, 2 hours a week.
English History.—32 weeks, 2 hours a week.
Physiology and Hygiene.—32 weeks, 2 hours a week.

SECOND YEAR COURSE—B CLASS.

Composition and Rhetoric.—32 weeks, 2 hours a week.
Literature.—32 weeks, 1 hour a week.
Ancient History.—32 weeks, 2 hours a week.

THIRD YEAR COURSE—A CLASS.

Literature.—32 weeks, 2 hours a week.
Ancient Hislory.—32 weeks, 1 hour a week.

LANGUAGE.

THIRD YEAR COURSE—A CLASS.

German.—32 weeks, 3 hours a week.

SECOND YEAR COURSE—B CLASS.

German.—32 weeks, 2 hours a week.

DEPARTMENT OF MATHEMATICS

FIRST YEAR—C CLASS.

Algebra.—32 weeks, 4 hours a week.
Geometry.—32 weeks, 3 hours a week.
Bookkeeping.—32 weeks, 2 hours a week.

SECOND YEAR—B CLASS.

Geometry.—20 weeks, 2 hours a week.
Algebra.—20 weeks, 2 hours a week.
Trigonometry.—12 weeks, 4 hours a week.

THIRD YEAR—A CLASS.

Trigonometry.—20 weeks, 4 hours a week.
Analytic Geometry.—32 weeks, 4 hours a week.
Descriptive Geometry.—Time taken from the Mechanical Drawing.
Mechanics.—12 weeks, 4 hours a week, and additional time charged to Engineering and Applied Mechanics, as instruction is given directly with that subject.

DEPARTMENT OF PHYSICS AND CHEMISTRY.

FIRST YEAR—C CLASS.

Physics.—32 weeks, 3 hours a week.

SECOND YEAR—B CLASS.

Physics.—32 weeks, 4 hours a week.

THIRD YEAR—A CLASS.

Physics.—32 weeks, 2 hours a week.
Chemistry.—32 weeks, 2 hours a week.

DEPARTMENT OF ENGINEERING AND APPLIED MECHANICS.

The instruction in this department is necessarily limited in consequence of the briefness of the course and lack of facilities.

The conversion into a model this year of the vertical compound engine of 65 I. H. P., built by the students, after the design of the Bureau of Steam Engineering of the Navy Department, has materially increased the facilities for the intelligent study of the theory of the steam

engine, but the limited time permits of only very inadequate instruction in Applied Mathematics and Design. It is believed that the course will soon be increased to four years, and some additional appliances furnished for practical work; in the event of which changes, a correction of this necessarily incomplete instruction may be expected.

FIRST YEAR—C CLASS.

Lectures and practical exercises.

(*a*) Carpentry.—20 weeks, 6 hours a week.

(*b*) Sheet Metal.—12 weeks, 6 hours a week.

(*c*) Mechanical Drawing.—32 weeks, 4 hours a week.

SECOND YEAR—B CLASS.

Lectures and practical exercises.

(*a*) Carving.—8 weeks, 9 hours a week.

(*b*) Forge.—12 weeks, 9 hours a week.

(*c*) Pattern.—12 weeks, 9 hours a week.

(*d*) Mechanical Drawing —32 weeks, 5 hours a week.

THIRD YEAR—A CLASS.

Lectures and Recitations.—32 weeks, 4 hours a week.

(*a*) Early history and progress of steam engineering—the conversion of motion, work, efficiency, the heat engine, combustion, economy of fuel, the indicator, expansion of steam, horse power, valve motions, details of steam engine, clearance, compound and triple expansion engines, condensers, governors, Zeuner diagram, crank effort diagram with the consideration of the effect of inertia of reciprocating parts, boilers, engineering materials.

(*b*) Design.—Some part of an engine, such as cylinder, connecting rod, piston valve.

(*c*) Mechanical Drawing.—32 weeks, 4 hours a week.

Detail drawings of machines from free hand sketches; a working drawing, tracing, and blue print of some designed part. Descriptive Geometry.

Practice.—32 weeks, 6 hours a week.

Actual running of the power engine and of a triple expansion engine, both built by the students; valve setting; testing for tensile and compressional strengths with a Riehle machine; work at the lathe, planer, milling machine, drill press and vise; forging and tempering machines cutting tools; casehardening, chasing. Text-books:—Goodeve's Steam Engine, Holme's Steam Engine, Goodeve's Principles of Mechanics.

Reference Books:—Unwin's Elements of Machine Design and Lineham's Text-Book of Mechanical Engineering.

FACULTY.

WILLIAM R. KING, U. S. N., *President*,
Engineering and Applied Mechanics.

RICHARD H. UHRBROCK, Ph.B., *Vice-President*,
Head of Department of Mathematics.

WILLIAM H. HALL,
Head of Department of Physics and Chemistry.

SAMUEL M. NORTH,
Head of Department of English.

J. WARD WILLSON, M.D.,
History and Physiology.

SAMUEL P. PLATT,
Mechanical Drawing, and Descriptive Geometry.

OLIVER BACHARACH,
Assistant in Mathematics.

FREDERICK D. J. KAESSMANN,
German, and Assistant in English.

*WARREN S. SEIPP,
Free-hand Drawing.

*WILLIAM P. GUNDRY,
Bookkeeping, and Assistant in Mathematics.

JOHN H. BRAMBLE,
Geography, and Assistant in Mathematics.

*J. EDWARD BROADBELT,
Secretary, and Assistant Instructor.

*GALT F. PARSONS,
Graduate Assistant in Physical Laboratory.

MECHANICAL DEPARTMENT.

WILLIAM G. RICHARDSON,
Machine Work, and Engineering Materials.

*THOMAS G. FORD,
Pattern Making, and Wood Turning.

WILLIAM A. JONES,
Forge and Sheet Metal Work.

*GEORGE M. GAITHER,
Carpentry, and Wood Carving.

*Graduates of this Institute.

List of Graduates in Order of Merit.

CLASS OF 1900.

John Walter Frederick Blizard
Roy Stevenson Houck
Galt Fayette Parsons
Samuel Moore Johnson
Luther Chase Wright
Walter Bowen Buttner
Gustav Frederick Linck
Horace Kirk Faust
Thomas Osborn Wansleben
Morgan Moore
John Charles Masopust
Walter Groverman
Lawrence Gunton Allbutt

Recipient of Engineering Medal,

J. W. F. BLIZARD.

Recipient of Alumni Medal,

J. W. F. BLIZARD.

Recipient of Electrical Engineering Medal,

R. S. HOUCK.

Papers Relating to the Eastern Female High School.

FACULTY.

WILLIAM F. WARDENBURG, Principal,
Astronomy, Book-keeping, Trigonometry.

MARY C. GEDDESS,
Geometry, Composition, Mental Philosophy.

LAURA V. DEVALIN,
English Literature, Composition, Mental Philosophy.

ELIZA E. NICOLAI,
Natural Philosophy, Composition, Astronomy.

M. MATILDA MULLIN,
Drawing.

LEONORA E. CARPENTER,
History, Composition.

SUE M. LOHRFINCK,
Elocution, Composition, Physiology.

MARY C. BASIL,
Composition, Algebra, Geometry.

KATE M. LEWIS,
Algebra, Composition, History.

THEODOCIA B. MAHON,
Algebra, Composition, Geometry.

MARGARET GARRETT,
Latin.

ANNA B. DIETRICHS,
German.

MARY McLEAN,
Composition, Latin, Literature.

J. HARRY DEEMS,
Music.

Graduates.

Eva Aldridge,
Mary Elizabeth Apel,
Helen Apple,
Elizabeth Loflin Armstrong,
Daisy Berliner,
Maria Moore Binnie,
Eleonora Block,
Blanche Bird Bowen,
Grace Adella Burch,
Emma Butzler,
Emma Augusta Clarke,
Margaret Iler Cross,
Margeret Regina Curry,
Mamie Diehl,
Gussie Erlanger,
Augusta Wilhelmina Fitzberger,
Ida Virginia Flowers,
Virginia Mahler Foster,
May Esler Glass,
Theresa Marie Grob,
Elsie May Hackney,
Matilda Eleanor Hufnagel,
Hilda McClean Hunt,
Sara Le Maistre Johnson,
Bertha Mae Keiningham,
Lilian Agnes Kelly,
Edith Klinesmith,
Leta Viola Lewis,
Anna Agnes Lindt,
Sarah Little,
Mary Gertrude Maloney,
Margaret Cornelia McCord,
Annie Maria Patterson,
Amanda Louise Raymond,
Beulah Esther Regester,
Mary Katherine Rickes,
Emma Rietdorf,
Sadie Lydia Schlegel,
Lena Schwartz,
Marie Margaret Siegle,
Margaret Silver,
Ella Virginia Smith,
Rose Steiner,
Annie Carrie Stolzenbach,
Agnes Loretta Sullivan,
Frieda Charlotte Thies,
Sara Hall Tucker,
Margaret Estelle Tuckerman,
Grace Virginia Waltemyer,
Nellie Estelle Wrightson,
Annie Catherine B. Zimmerman.

Recipients of Peabody Medals.

FIRST GRADE.

Gussie Erlanger,
Ida Virginia Flowers,
Edith Klinesmith,
Margaret Cornelia McCord,
Sara Le Maistre Johnson.

SECOND GRADE.

Helen Appel,
Hilda McClean Hunt,
Matilda Eleanor Hufnagel,
M. Estelle Tuckerman,
Margaret Iler Cross,
Emma Rietdorf,
Maria M. Binnie,
May Esler Glass,
Annie M. Patterson,
Annie C. Stolzenbach.

Additional Number Receiving Tickets to Peabody Lectures.

Virginia M. Foster,
Theresa M. Groh,
Emma A. Clarke,
L. Viola Lewis,
Grace A. Burch,
Ella V. Smith,
Anna A. Lindt,
Emma Butzler,
Elsie M. Hackney,
Mamie Diehl.

CLASS RECITATIONS.

Recitations Made Each Week by Different Classes.

L, M.—Mental Philosophy, 3; Trigonometry, 3; History, 2; Elocution, 1; Drawing, 2; Music, 2; Composition, 1; Astronomy, 3; German, 3; Latin, 5—25.

H, I, K.—English Literature, 2; Elocution, 1; Algebra, 2; History, 2; Geometry, 3; Book-keeping, 2; Drawing, 2; Music, 2; Composition, 1; German, 3; Latin, 5—25.

E, F, G.—Algebra, 3; Composition, 2; Drawing, 2; Elocution, 1; Geometry, 3; German, 3; History, 2; Literature, 3; Natural Philosophy, 2; Vocal Music, 2; Latin, 2—25.

A, B, C, D.—Literature, 3; Elocution, 1; Algebra, 5; Natural Philosophy, 3; Drawing, 2; Music, 2; Composition, History, 2; Physiology, 2; Geometry, 3—25.

ROLL.

Number of pupils on roll December 31, 1899	415
Number admitted by promotion during 1900	168
Number admitted from private schools during 1900	4
Number admitted by transfer during 1900	7
Number re-entered	4
Total number in school during 1900	594
Average enrollment	375
Average attendance (92 per cent.)	345
Number withdrawn during 1900	155
Number transferred during 1900	14
Number graduated in 1900	51
Number on roll December 31, 1900	374

COURSE OF STUDY

—IN THE—

FEMALE HIGH SCHOOL.

FIRST YEAR.

Algebra,
Composition,
Drawing,
Elocution,
History,
Geometry,
Literature,
Music,
Natural Philosophy,
Physiology.

SECOND YEAR.

Algebra,
Composition,
Drawing,
Elocution,
Geometry,
German,
History,
Latin,
Literature,
Music,
Natural Philosophy.

THIRD YEAR.

Algebra,
Book-keeping,
Composition,
Drawing,
Elocution,
Geometry,
German,
History,
Latin,
Literature,
Music.

FOURTH YEAR.

Astronomy,
Composition,
Drawing,
Elocution,
German,
History,
Latin,
Mental Philosophy,
Music,
Trigonometry.

Papers Relating to Western Female High School.

FACULTY.

HENRY S. WEST, PRINCIPAL,*
English.

PAMELA A. HARTMAN,
Psychology, English Literature, Composition.

SARA S. RICE,
Elocution, English Literature, Composition.

JANE S. WILLIAMS,
Astronomy, Algebra, Composition.

HENRIETTA C. ADAMS,
History, Composition.

LOUISA C. SAUMENIG,
Trigonometry, Geometry, Book-keeping.

ANNA P. TUDOR,
Latin, Geometry.

ANNIE O. SOLLERS,
Physics, Geometry, Composition.

FRANCES RUTTER,
Geometry, History, Composition.

ROBERTA DAVIS,
Drawing.

IMOGEN GEORGE,
English Literature, History, Composition.

ELIZABETH HELSBY,
Algebra, Drawing, Composition.

ANNIE W. NICHOLSON,
Algebra, Physiology.

M. THERESA DALLAM,
History, English Literature, Algebra, Composition.

ANNIE E. WELTY,
Natural Philosophy, Physiology, Geometry.

AUGUSTA F. DITTY,
Natural Philosophy, Physiology, Geometry, Composition.

LOUISE E. THALWITZER,
German.

LIDA S. ECKEL,
Biology.

JOHN G. WEHAGE,
Music.

*ANDREW S. KERR.

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

FOURTH YEAR.

M^1 and M^2 Classes.—Latin, 5; Psychology, 3; Composition, 1; Elocution, 1; Astronomy, 3; Trigonometry, 3; History, 2; German, 3; Drawing, 2; Music, 2.

THIRD YEAR.

L and K Classes.—English Literature, 2; Elocution, 1; Composition, 1; Algebra, 2; Geometry, 3; Book-keeping, 2; History, 2; Latin, 5; German, 3; Drawing, 2; Music, 2.

SECOND YEAR.

I, H, G^1 G^2 and G^3 Classes.—Algebra, 3; Geometry, 3; History, 2; Elocution, 1; English Literature, 3; Composition, 1; Physics, 3; Latin 2; German, 3; Drawing, 2; Music, 2.

FIRST YEAR.

F, E, D, C, B, A^2 and A^3 Classes.—Algebra, 5; Physics, 3; Geometry, 3; Physiology, 2; History, 3; English Literature, 2; Composition, 2; Drawing, 2; Music, 2; Elocution, 1.

STATISTICS.

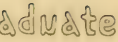
Returned after summer vacation	378
Re-entered	8
Admitted from grammar schools	207
" by transfer	15
" from private schools	0
Number on roll after organization in September	608
Average number on roll during the year	562
" " in attendance	504
Percentage of attendance	89.6

The following table shows the numerical change in the various classes:

	4th Year.	3d Year.	2d Year.	1st Year.	
On roll December, 1899	68	79	194	269	610
On roll June, 1900	66	72	148	206	492
Graduated June, 1900	66	...	.....	.....	.....
On roll September, 1900	67	109	198	234	608
On roll December, 1900	63	108	167	218	556

Promoted from grammar schools June, 1900	328
Failed to enter	121
Admitted September, 1900	207
Examined from private schools	0
Failed	0
Admitted	0

. . . Graduates -- 1900 . . .



Armstrong, Jessie L
Arnold, Florence I.
Arnold, Mignon E.
Bambach, Christine
Bealmear, Effie E.
Belt, Chestina
Blase, Edna P.
Boring, Katie
Boustead, Jessie
Clark, Carrie M.
Cline, Olive S.
Cole, Carrie A.
Copinger, Lucy E.
Creighton, Harriet C.
Dennis, Hazel V.
Duvall, A. May
Eareckson, Lillian R.
Fiske, Blanche R.
Gernand, Elizabeth R.
Hartman, Edna R.
Herstein, Jeannette
Herzer, Augusta L.
Hunt, Mabel L.
Jackson, Lillian M.
Jones, Helen P.
Jones, Martha L.
Jurney, Etta E.
Keyser, Ella M.
Klotz, Augusta,
Krieger, Mathilde C.
Lane, Florence R.
Langgood, Elizabeth
Levering, Alice
Louis, Lula M.
Lucke, Ida B.
Maass, Blanche
May, Bessie
McLanahan, Anna
Miller, Katharine
Miller, E. Marian
Myer, Marietta
Newman, Pearl
Norris, Jennie B.
Osing, Blanche E.
Patterson, M. Blanche
Philbrick, Addie P.
Rohlfing, Rita A.
Rollins, Mary L.
Ruhland, Anna E.
Russell, Ethel
Schumacher, Cora C.
Scott, Anna
Sherbert, Helen
Slater, Olive
Smith, Etta
Snyder, Marie B.
Stein, Hilda
Stevens, Lillian
Todd, Edna M.
Travers, Elsie J.
Ward, Lillian M.
Wellmore, Josephine
Wells, Florence E.
White, Elizabeth G.
Willson, Fayetta H.
Wilson, M. Anna

Recipients of Peabody Medals—1900.

First Grade.

Elizabeth G. White,
Alice Levering,
Augusta Klotz,
Katharine Miller,
Augusta L. Herzer.

Second Grade.

Ella M. Keyser,
Elizabeth Langgood,
Ida B. Lucke,
Edna P. Blase,
Lula M. Louis,
Helen Sherbert,
Jennice B. Norris,
Mary L. Rollins,
Edna M. Todd,
Olive S. Cline.

Additional Number Receiving Tickets to Lectures at Peabody Institute.

E. Marian Miller,
Katie Boring,
Mathilde C. Krieger,
Mabel L. Hunt,
Chestina Belt,
Florence E. Wells,
Marietta Myer,
Florence R. Lane,
Effie E. Bealmear,
Jessie Boustead.

PAPERS RELATING TO COLORED HIGH SCHOOLS.

FACULTY.

GEORGE LEWIS STALEY, Principal,
Latin, Mental Philosophy, Moral Science, Astronomy,

MARY E. HUDGINS,
Grammar, Latin, Trigonometry.

NELLIE M. O'CONNOR,
Algebra, Book-keeping, Geometry.

SARAH E. SEAGER,
History, Physics.

LIZETTE W. REESE,
Composition, Literature, Physiology.

R. BELLE BROOKE,
Elocution, Grammar, Music, History.

BETTIE MAKIBBIN,
Drawing, Etymology.

GRADUATES.

Allen Percy,
Atkinson, George M.,
Canada, Sarah,
Coleman, Mamie,
Chamber, J. Clarence,
Davis, Martha,
Dockins, Gertrude,
Harris, Gertrude,
Hemsley, Gertrude,
Henson, Gertrude,
Henry, Cordelia,
Jones, Daisy,
Smith, Eva,
Verry, Maggie,
Tilghman, Frank,
Wright, Richard.

ROLL.

Number of pupils on roll December 31, 1900	190
" " new pupils admitted	1
" " pupils admitted from public schools	82
" " " re-entered	4
" " " on roll during year	277
Graduates	16
Withdrawn	68
	84
Members now on roll	193

CLASS RECITATIONS.

Recitations Made Each Week by Different Classes.

Fourth Year.

Mental Philosophy, 2; Trigonometry, 3; History, 2; Literature, 2; Grammar, 2; Latin, 3; Elocution, 1; Drawing, 2; Music, 2; Algebra, 2; Composition, 1; Astronomy, 2; Moral Science, 1–25.

Third Year.

Natural Philosophy, 2; Literature, 2; Latin, 4; Elocution, 2; Algebra, 2; History, 2; Geometry, 2; Drawing, 2; Music, 2; Composition, 1; Grammar, 2; Book-keeping, 2–25.

Second Year.

Algebra, 2; Composition, 1; Latin, 4; Drawing, 2; Geometry, 3; History, 2; Literature, 2; Music, 2; Grammar, 2; Natural Philosophy, 2; Etymology, 2; Elocution, 1–25.

First Year.

Etymology, 2; Literature, 2; Elocution, 1; Algebra, 3; Latin, 3; Geometry, 2; Physiology, 1; Natural Philosophy, 2; Music, 1; Composition, 1; History, 2; Grammar, 2; Drawing, 2; Study, 1–25.

COURSE OF STUDY

— IN THE —

COLORED HIGH SCHOOLS.

FIRST YEAR.

Etymology,
Literature,
Elocution,
Algebra,
Geometry,
Physiology,
Drawing,
Music,
Composition,
History,
Latin,
Grammar,
Natural Philosophy.

SECOND YEAR.

Algebra,
Composition,
Latin,
History,
Music,
Drawing,
Geometry,
Literature,
Natural Philosophy,
Etymology,
Grammar,
Elocution.

THIRD YEAR.

Literature,
Algebra,
History,
Drawing,
Music,
Natural Philosophy,
Elocution,
Geometry,
Latin,
Composition,
Grammar,
Book-keeping.

FOURTH YEAR.

Mental Philosophy,
History,
Literature,
Grammar,
Latin,
Composition,
Trigonometry,
Algebra,
Elocution,
Drawing,
Music,
Astronomy,
Moral Science.

Papers Relating to Colored Polytechnic Institute.

FACULTY.

Principal,

WILLIAM R. RYAN.

Drawing, Engineering and English.

First Assistant,

SAMUEL T. LESTER,

Instructor in Mathematics and English.

Second Assistant,

CONRAD HARDECKER,

Mathematics and English.

Instructor in Woodworking,

CHARLES P. SCHMIDT,

Pattern-Making, Wood-Carving, Turning and Carpentry.

Instructor in Metal Department,

JOHN E. AULD,

Forge Shop and Railing Work.

Instructor in Metal Working,

FRANK W. WATERMAN,

Science, Machine-Shop and Sheet Metal-Work.

THE COURSE OF STUDY—(General)

The complete course of study covers three years, and the school time of the students is about equally divided, between mental and manual exercises. One hour per day is given to drawing, two hours to shop work and two and a-half hours to the usual academic studies.

The course of study embraces five parallel lines, as follows:

First—A course in English Language and Literature, Composition, United States Constitution and Civil Government, and Ancient and Modern History.

Second—A course in Science and Applied Mathematics, including Physics, Physiology, Mensuration, Bookkeeping, Commercial Business and Engineering.

Third—A course in pure Mathematics, including Arithmetic, Algebra, Geometry and Trigonometry.

Fourth—A course in Free-hand, Architectural and Mechanical Drawing, Designing and Penmanship.

Fifth—A course of Tool Instruction, including Carpentry, Wood-carving, Wood-turning, Pattern-making, Moulding, Soldering, Brazing, Vise and Machine-shop Work, Care and Management of Steam Engines and Boilers, and Military Drill.

List of Graduates in 1900.

John W. Bishop,
Albert Hopkins,
Chester A. Hardy,
James H. Jolley,
Charles Lynch,
Daniel H. Murphy,
Ernest Purviance,
Richard Parker,
Peter Snead,
Isaiah Stafford,
Charles A. Worthington,
Edward Webb.

ROLL.

Number of pupils on roll December 31, 1899	64
Number of pupils admitted from public schools	25
Number of pupils admitted from private schools	3
Number of pupils in school during year	89
Number of pupils withdrawn during year	11
Number of pupils graduated	12
	23
Number of pupils now on roll	66
Average number on roll during year	61.1
Percentage of attendance	88.5

SEVENTEENTH ANNUAL REPORT

—OF THE—

BOARD OF FIRE COMMISSIONERS

—AND—

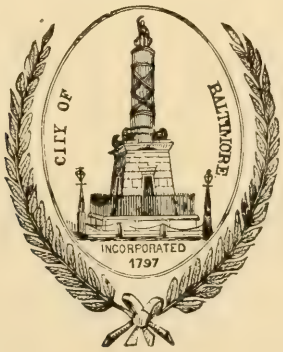
FORTY-SECOND ANNUAL REPORT OF THE FIRE DEPARTMENT

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900



BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

OFFICERS OF THE DEPARTMENT.

FIRE COMMISSIONERS:

A. ROSZEL CATHCART - - - - President.
JOHN H. SIRICH. EDWARD M. PARRISH.

SECRETARY AND CLERK:

PINKNEY W. WILKINSON.

ASSISTANT CLERK:

WALTER E. HILL.

CHIEF ENGINEER:

WILLIAM C. McAFEE.

DISTRICT ENGINEERS:

First District - - - - - GEORGE W. HORTON.
Second " - - - - - - AUGUST EMRICH.
Third " - - - - - FREDERICK BRANAN.
Fourth " - - - - - - FIELDING H. LUCAS.
Fifth " - - - - - LEVIN H. BURKHARDT.
Sixth " - - - - - E. LOUIS SHIPLEY.

SUPERINTENDENT OF MACHINERY:

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF FIRE-ALARM TELEGRARH:

FRANK G. BOYD.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS.

BALTIMORE, January 1, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: The Report of the Board of Fire Commissioners, for the year ending December 31st, 1900, shows the operations of the Department during the year.

The present Board took office March 1, 1900, so the conduct of the Department under their control has extended over a period of ten months, but in order to make a uniform report, comparisons are made for the entire twelve months.

The salaries are fixed by law, hence any difference in that item is chargeable to the shifting of positions and employment of substitutes, making a net return to sinking fund of $330.49.

We found that our predecessors had asked the Board of Estimates for expenses $145,000, and that Board cut them down to $120,000. It will be seen that the present Board has expended $99,403.76, leaving a balance to go to "Special" Account to cover contracts not yet completed, and which is a lien on the year's appropriation, of $5,496.25, making a net return to the Sinking Fund of $20,596.24, without impairment of the service.

The Board, immediately on taking their seats, applied strict business principles to all transactions that came before it, no requisitions, purchases or repairs being allowed, except by order of the Board, (emergency cases excepted). Competitive bidding was adopted to the smallest extent, and the saving thus made justifies our position.

We changed in a large measure the monthly supply demands, and, through the Board of Awards, gave contracts for yearly supplies, and its practicability has been clearly demonstrated by savings made.

Department Telephones, through the agitation of purchasing same, were reduced from $5.00 to $3.00 per annum.

The record for 1900 shows 1,458 alarms of all kinds—an increase of say 12 per cent.; of actual fires attended there was an increase of 141 or 10 per cent.

The total losses for the year (December estimated) was $917,097 as against $438,583 in 1899.

Some of the largest fires, we regret to say, were well started before the Department received the alarm, thus entailing loss that promptness in sending in the alarm would have materially decreased.

It is well known that the larger the number of alarms, the greater the liability of accident to horses and apparatus, and also expense, yet with 12 per cent. more alarms in 1900 than in 1899, the expenses of the Department have still been reduced.

The Department is in excellent condition, both as to apparatus and horses; the discipline unexcelled.

After a long siege, No. 11 Truck House has finally been commenced and will be ready for occupancy during the early summer, the amount originally appropriated for building alone being found materially sufficient to purchase a new site and complete the building, the site first selected having been abandoned.

The Board of Estimates has also set aside an amount necessary to build and fully equip No. 22 Engine Company, to be located in the neighborhood of Canton, and it is hoped to also complete this during the present year.

We have during the year, amongst other expenditures, provided for the following:

Wired engine houses for electric lighting; rebuilt and repainted three trucks; repaired, painted, etc., six hose wagons,

one truck, four engines and four officer's wagons, etc.; carpet for No. 11 Truck; fire alarm station signs to assist the public in locating stations; new hose, 8,000 feet; new apparatus, combination hook-and-ladder truck at Waverly, also large supply wagon.

The above being necessary to add to the efficiency of the service.

There was expended for salaries in 1899....	$366,562	05
" " " " 1900....	363,769	51
	$ 2,792	54
Expenses in 1899.....	$129,025	36
" 1900.....	99,403	76
	$ 29,621	60

The expenditures during year are set forth in detail in the tables submitted with this report.

We hand you herewith the report of the Chief Engineer and the Superintendent of the Fire Alarm Telegraph.

Some of the recommendations meet our approval and at the proper time will be duly considered and presented to your Honorable Body.

The Ordinance for the Examining Board for the Fire Department went into effect in the Department on March 1, 1900. The ordinance gives the right to the Commissioners to select their appointments and promotions from the three highest names on the eligible list, which ordinance has been strictly adhered to.

To the Chief Engineer, Superintendent of Fire Alarm Telegraph and other officers of the Department, generally, the Board is indebted for faithful and efficient service.

Respectfully,

A. ROSZEL CATHCART, *Prest.*
JOHN H. SIRICH,
EDW. M. PARRISH.

ESTIMATES FOR 1901.

Salaries		$364,100 00
Apparatus	$ 6,000 00	
Apparatus repairs	9,000 00	
Accident	5,500 00	
Feed	19,000 00	
Fuel	6,000 00	
Furniture	1,600 00	
Harness	2,250 00	
Horseshoeing	4,700 00	
Hose	6,000 00	
Horses	5,000 00	
Gas	2,500 00	
Wharf rent	600 00	
Washing	3,250 00	
Insurance	2,500 00	
Sick	2,500 00	
Pensioners	12,500 00	
Fire-alarm telegraph	8,000 00	
Telephones	900 00	
Office expenses	1,200 00	
Miscellaneous	3,000 00	
Storeroom	5,000 00	
		$107,000 00
Placing fire alarm wires in subway		5,000 00
		$476,100 00

APPROPRIATIONS.

Amount appropriated by the Mayor and City Council out of general levy, 1900	$484,100 00	
Amount drawn from Comptroller	457,677 02	
		$26,422 98
Amount carried forward		5,496 25
Balance undrawn		$20,926 73

GENERAL STATEMENT.

Amount drawn from City Comptroller account general appropriation	$457,677 02
Amount received from sale of manure and old material	1,427 85
	$459,104 87
Expenditures account department	$457,677 02
Amount paid to City Register	1,427 85
	$459,104 87

EXPENDITURES—1900.

Salaries		$363,769 51
Apparatus	$ 435 00	
Apparatus repairs	10,099 35	
Accident	3,333 96	
Feed	19,287 34	
Fuel	5,295 82	
Furniture	1,403 36	
Harness	927 47	
Horseshoeing	4,542 75	
Hose	5,611 70	
Horses	3,015 00	
Wharf rent	600 00	
Gas	2,121 58	
Office expenses	951 91	
Insurance	2,300 00	
Miscellaneous	5,215 43	
Washing	3,089 75	
Pensioners	10,193 00	
Sick	4,375 91	
Fire-alarm telegraph	4,569 45	
Storeroom	5,490 67	
Telephones	1,048 06	
		$ 93,907 51
		$457,677

COMPANY EXPENDITURES—1900.

No. 1 Engine Company	$12,545	86
" 2 " "	12,517	78
" 3 " "	11,729	16
" 4 " "	13,070	71
" 5 " "	11,100	46
" 6 " "	13,887	95
" 7 " "	12,868	40
" 8 " "	12 052	98
" 9 " "	11,830	13
" 10 " "	11,405	96
" 11 " "	11,999	77
" 12 " "	12,819	48
" 13 " "	12,870	13
" 14 " "	11,403	24
" 15 " "	24,799	56
" 16 " "	14,065	50
" 17 " "	12,238	97
" 18 " "	12,340	01
" 19 " "	12,886	34
" 20 " "	12,034	35
" 21 " "	12,735	10
" 1 Hook and Ladder Company	12,099	69
" 2 " " "	11,471	46
" 3 " " "	11,587	93
" 4 " " "	12,350	31
" 5 " " "	12,103	95
" 6 " " "	12,277	56
" 10 " " "	12,265	25
" 11 " " "	11,832	95
" 1 Chemical Company	4,451	09
" 2 " "	3,058	73
" 3 " "	2,910	33
" 4 " "	4,633	52
" 5 " "	3,049	68
" 6 " "	3,167	66
" 7 " "	4,715	44
Officers' salaries and expenses	19,593	43
Fire-alarm telegraph	19,485	13
Miscellaneous	2,778	54
Office expenses	1,011	56
Pensioners	10,193	00
Storeroom	6,665	26
Reserve	2,703	71
		$457,677 02

FINANCIAL STATEMENT OF THE BALTIMORE CITY FIRE DEPARTMENT FOR TWELVE MONTHS ENDING DECEMBER 31, 1900.

Dr.		Cr.	
January, drawn from City Comptroller...	$39,743 00	January, drawn from City Comptroller...	$39,743 00
February, " " " " ...	37,219 59	February, " " " " ...	37,219 59
March, " " " " ...	36,570 17	March, " " " " ...	36,570 17
April, " " " " ...	37,181 01	April, " " " " ...	37,181 01
May, " " " " ...	35,865 49	May, " " " " ...	35,865 49
June, " " " " ...	38,246 22	June, " " " " ...	38,246 22
July, " " " " ...	38,453 61	July, " " " " ...	38,453 61
August, " " " " ...	38,742 45	August, " " " " ...	38,742 45
Septemb'r, " " " " ...	38,752 19	Septemb'r, " " " " ...	38,752 19
October, " " " " ...	37,425 87	October, " " " " ...	37,425 87
November, " " " " ...	36,241 38	November, " " " " ...	36,241 38
December, " " " " ...	43,236 04	December, " " " " ...	43,236 04
	$457,677 02		$457,677 02

RECAPITULATION.

Account.	Appropriation.	Expenditures.	
Department.	$484,100 00	$457,677 02	$26,422 98
Amount forwarded, "Special"	.....	.....	5,496 25
Balance undrawn.....			$20,926 73

REVENUE.

Sale of manure and old material.....$1,427 85

REPORT

—OF THE—

CHIEF ENGINEER.

REPORT

OFFICE OF THE CHIEF ENGINEER,

BALTIMORE, January 1, 1901.

To the Honorable the Board of Fire Commissioners:

GENTLEMEN:—I beg to submit herewith the annual report of the Chief Engineer, it being the Forty-second Annual Report of the Paid Fire Department. In it the operations of the Department for the year 1900 are fully set forth, together with such recommendations as, in my judgment, should receive your most careful attention and serious consideration.

FIRES.

The record of fires and alarms for the year shows that a total of 1,458 alarms were received and responded to by the Department. Of this number 1,004 were box alarms, and 454 were alarms received verbally or by telephone, denominated "Silent Alarms." The number of actual fires attended was 1,415, there having been 43 false alarms received.

As compared with the record for 1899, there was an increase of 141 in number of actual fires attended, or about ten per cent.

The total loss for the year, estimating December losses at $150,000.00, was $917,097.54, involving an insured value of $6,139,217.00.

The increase in amount of loss, as compared with 1899, was $464,809.78, or more than one hundred per cent.

The fires for the year are classified as follows:

In brick, stone or iron buildings 1,182; in wooden buildings 154; fires other than in buildings 79.

APPARATUS.

The condition of the apparatus in service is excellent. Necessary repairs have been made from time to time, and a number of the hose wagons, engines, trucks and officers' wagons were painted.

Reserve Truck "B" was repaired and painted and placed in service with No. 5 Hook and Ladder Company, displacing a smaller truck formerly in service with this company, and which was entirely inadequate to the requirements of the service demanded of it. Former Truck No. 5 was placed in reserve as Reserve Truck "B."

Reserve Truck "C" was rebuilt and painted and is now equal to new, having been provided with new running gear, including springs, new raising gear, new steering gear and new hoisting cables for extension ladder. I would suggest that this truck be placed in service with No. 6 Hook and Ladder Company, and that the truck now in service with that Company be placed in reserve, after being repaired and painted, a contract for which work has been let to C. T. Holloway & Co., of this city, by the Board of Fire Commissioners. I offer this suggestion for the reason that the character of the buildings located in the district covered by No. 6 Hook and Ladder Company often necessitates the use of an aerial ladder of a greater length than that carried at present by this Company.

The adoption of this recommendation would increase the number of first size trucks in service to four, and would enable the Department to have at all fires in the mercantile district none but trucks of the first or largest size.

The hose wagons of Engine Companies Nos. 7, 8, 13, 14 and 18, trucks Nos. 1 and 3, engines Nos. 5, 8, 13 and 14, and officer's wagons Nos. 1, 4, 5 and 6, were repaired and painted.

There was added to the equipment of the Department one large wagon, which is used as a store-room supply wagon and wrecking material truck.

On October 17, 1900, a contract was, by the Board of Awards, let to C. T. Holloway & Co., of this city, for building a combination hook-and-ladder truck, chemical engine and hose wagon. This apparatus when received will be placed in service with No. 4 Chemical Engine Company, in accordance with your instructions, and the chemical engine and hook-and-ladder truck, which now form the equipment of No. 4 Chemical Engine Company and No. 7 Hook and Ladder Company, respectively, will be placed in reserve.

APPARATUS IN SERVICE.

Twenty-one steam fire engines, five chemical engines, eight Hayes' aerial trucks, two combination trucks, twenty-one combination wagons (chemical engine and hose wagon), eighteen hose carriages, one fire boat, one water tower, seven Concord wagons (used by officers), one wagon for use of Superintendent of Machinery, one supply wagon, three wagons for use of linemen, one large wagon for use of Fire Alarm Telegraph Department in construction work, and three carriages for use of the Board of Fire Commissioners and Superintendent of Fire Alarm Telegraph.

APPARATUS IN RESERVE.

Five steam fire engines, three Hayes' aerial trucks, one water tower, one bank ladder truck, one combination wagon, four Concord wagons, three chemical engines, one Dayton wagon, and one truck for moving disabled apparatus.

HORSES.

There is at present a total of 182 horses in the service of the Department. Of this number 148 are assigned to the several companies, 20 are assigned for use by the officers and linemen of the Fire Alarm Telegraph Department, and 14 are held in reserve. Eighteen horses were purchased during the year, 18 were condemned as unfit for further service, 3 died from sickness, and 1 died as the result of an accident.

One hundred and ninety-nine cases of sickness and injury, covering a period of 2,660 days' treatment, were received at the hospital.

FIRE-HYDRANTS.

During the year 29 fire-hydrants were added to the number available for service on December 31, 1899, making the total number of hydrants in service 2,269.

The number of hydrants is still inadequate, however; and I would suggest that the Water Department be requested to proceed with the work of increasing the number of hydrants, at points to be designated by this Department, to not less than 3,000.

It is gratifying to note that strenuous efforts are being made by the Water Department to improve the efficiency of the water service for fire purposes by increasing the pressure on the mains; and, while much has been accomplished in this direction, there is still room for improvement in certain sections of the city.

In my report for the years 1897, 1898 and 1899, respectively, the desirability of installing a pipe-line system to be operated by the fire-boat was exploited in detail, and I desire at this time to renew the recommendation then made, trusting that the matter may receive your favorable consideration at an early date.

DEATHS.

J. Oscar Healey, a pensioned member of the Department, (formerly a pipeman of No. 20 Engine Company), died on January 22d of heart failure.

Lieut. C. E. Dewitt, No. 17 Engine Company, died on May 6th of typhoid fever. Lieutenant Dewitt was forty-nine years of age, and had been a member of the Department for nearly fifteen years.

Ladderman John McClellan, No. 3 Hook and Ladder Company, died on June 5th of brain trouble, superinduced by an

injury to his eye. Ladderman McClellan was sixty-six years of age, and had been a member of the Department for twenty-nine years.

W. R. La Shorn, a pensioned member of the Department (formerly a pipeman of No. 13 Engine Company), died on November 4th of pneumonia.

Pipeman J. Frederick Schaefer, No. 21 Engine Company, died in company quarters on November 21st of concussion of the brain, caused by being thrown from the seat of the engine which he was driving to a fire. Pipeman Shaefer was sixty-two years of age and had been a member of the Department for nearly thirteen years.

RECOMMENDATIONS.

The following recommendations, which have been embodied in previous reports, but which have not been favorably acted upon, are herewith respectfully submitted for your consideration and approval, viz:

The organization and equipment of an engine company to be located in the vicinity of Pratt and Carey streets.

The organization and equipment of an engine company to be located in the vicinity of Caroline and Lancaster streets.

The organization and equipment of an engine company to be located in the vicinity of York road and Gorsuch avenue, Waverly.

The abolishment of No. 4 Chemical Engine Co., and the transfer of the members of that company to No. 7 Hook and Ladder Co.

The purchase of an additional fire-boat and the organization of a company to operate the same.

The addition of one member to each of the following companies, viz: Engine Companies No. 1, No. 3, No. 5, No. 7, No. 9, No. 10, No. 11, No. 12, No. 13, No. 14; Hook and Ladder Companies No. 1 and No. 2; Chemical Engine Companies No. 2, No. 3, No. 5, and three members to No. 8 Hook and Ladder Company.

The establishment of a school of instruction for firemen.

The erection in all of the public schools of a fire-alarm box to be connected with the fire-alarm telegraph system.

The passage of an ordinance that will prevent the overcrowding of theatres, concert halls and other places of public gathering, and compel the owner or owners of such places to provide therein such appliances for the prevention and extinguishment of fire as the Board of Fire Commissioners may direct.

The passage of an ordinance that will compel the proprietors of all hotels, boarding-houses and lodging-houses to provide portable fire-escapes, of a type to be approved by this Department, in all of the rooms of such buildings, in addition to the fire-escapes at present required by law.

In addition to the recommendations above referred to I desire to present for your consideration the following, viz:

I would recommend that reserve engines "B" (formerly No. 7), "C" (formerly No. 9), and "F" (formerly No. 1), be condemned and disposed of.

These engines are, in the opinion of the Superintendent of Machinery and myself, unfit for further service, being both unsafe and unreliable. In addition to which two of them, "B" and "C," are of too small capacity for the service demanded at times of reserve engines.

I would further recommend that engines No. 5, No. 6 and No. 14 be placed in reserve; that engine No. 10 be placed in service with Engine Company No. 14; that Engine No. 7 be placed in service with Engine Company No. 10, and that three engines, having a capacity of not less than 1,000 gallons each, be purchased and placed in service with Engine Companies No. 5, No. 6 and No. 7, respectively. The adoption of the above recommendations would increase the number of first size engines in service to eight, and would result in an increased efficiency of the Department by placing at our disposal a sufficient number of engines of large capacity to enable us to cope with a greater degree of success with large fires,

which, in the natural course of events, are bound to occur in the mercantile districts, and which are but the natural result of the increase in size and height of buildings and corresponding increase in quantity of combustible material stored therein. This class of fires demands the use of large streams, and in no other way can these be obtained than by the use of engines of the largest capacity.

I would also recommend that a first size aerial hook-and-ladder truck be purchased and placed in reserve, and that reserve truck "A" be rebuilt.

I would also recommend that a combination chemical engine and hose wagon be purchased and placed in reserve. In view of the fact that all of the engine companies of the Department are equipped with wagons of this type, and the further fact that we have but one reserve combination wagon, the necessity for the adoption of this recommendation should be most apparent.

I would further recommend that, in the event of the establishment of the School of Instruction, above included under the caption of recommendations, the hose wagons and trucks be equipped with Pompier or scaling ladders and belts, to be used for life-saving purposes only. The necessity for the adoption of such a measure as is here proposed arises from the fact that duriug the past few years there has been a marked increase in the number of large hotels, manufactories and office buildings, the upper floors of which are beyond the reach of the ladders carried by the Department, and which can only be reached by the use of the Pompier system should the use of the stairways be rendered impassible. The saving of one life by the use of these ladders would be ample recompense for the expenditure for their purchase and the establishment of the School of Instruction.

I would also recommend that an engine company be organized and equipped, to be located in the vicinity of Park avenue and Saratoga street, and that an engine company be

organized and equipped to be located in the vicinity of Guilford avenue and Preston street.

I would further recommend that the following apparatus be disposed of, they being of no possible use to the department, viz :

One bank ladder truck, built about 1877, formerly No. 9.

One Hayes' aerial truck, built in 1887, formerly No. 6.

One chemical engine, built in 1888, formerly No. 7.

During the year the desirability of establishing a repair shop was brought to your attention, but as no definite action in this regard was taken at the time, I desire to renew the recommendation then made, feeling sure that investigation will demonstrate the wisdom of such a measure.

The adoption of the recommendations above made, with regard to the organization of new companies, the purchase of additional apparatus of large capacity and the establishment of the School of Instruction for Firemen, necessarily carries with it the expenditures of large sums of money, and while fully realizing this fact, I am nevertheless of the opinion that the expenditure would be a judicious and economical one.

Loss by fire is equivalent to a tax, and inasmuch as constantly increasing losses in a community must necessarily be followed by an increase in the rates of insurance charged that community, it is obviously our duty to make such provision against a possible contingency of this kind, as our judgment, formed in the light of past experiences, would seem to dictate. This can only be accomplished by providing a well equipped plant for fire extinguishing purposes, and the thorough education of the force operating such plant in every detail connected with its successful manipulation.

Herewith submitted, as part of this report, are statistical tables relative to the work performed by the several companies, record of fires, causes, casualties, etc.

In conclusion, I desire to thank the Board for any courtesies extended, and the uniformed force for its untiring devotion to the best interests of the service at all times.

The officers and members of the Fire Insurance Salvage Corps have my thanks for assistance rendered on the fire ground, as well as for the items of losses contained in this report.

I desire also to thank the Police Department for the continued co-operation of its members in the work of this Department.

Respectfully submitted,

WM. C. McAFEE, *Chief Engineer.*

DESCRIPTION OF ENGINES.

Engines.	Built by	When Built.	Rebuilt by	When Rebuilt.	Size.	Cylinders. Diam.	Cylinders. Stroke.	Pumps. Diam.	Pumps. Stroke.	Boilers. Diam.	Boilers. Height.	Gallons Per Minute.	Weight as Drawn to Fires.	Style of Engine.
No. 1	La France Co.	1898	.....	.....	x 1st	8½	9	5¼	9	36	66	1,000	10,400	Vertical, crane-neck, piston double
" 2	La France Co.	1899	.....	.....	x 1st	8½	9	5¼	9	36	66	1,000	10,400	" " " "
" 3	Ives & Bro.	1874	La France Co.	1892	x 1st	8½	10	5	10	38	64	1,000	10,760	" " " "
" 4	La France Co.	1892	.....	.....	1st	8¼	9	5	9	36	60	900	9,600	" " " "
" 5	La France Co.	1891	.....	.....	3d	7⅜	8	4¼	8	30	60	600	7,120	" " " "
" 6	La France Co.	1890	.....	.....	2d	8¼	8	4¾	8	32	60	700	8,500	" " " "
" 7	La France Co.	1898	.....	.....	2d	8	9	4⅜	9	33	62	700	8,000	" " " "
" 8	La France Co.	1888	.....	.....	3d	8⅛	6	4¾	6	30	60	600	7,100	" " " "
" 9	La France Co.	1886	La France Co.	1898	3d	7¾	8	4⅜	8	30	65	650	7,500	" " " "
" 10	Clapp & Jones	1886	La France Co.	1897	2d	7½	7	4¾	7	32	60	700	7,180	" " " "
" 11	La France Co.	1889	.....	.....	2d	8¾	8	4¾	8	34	60	750	8,400	" " " "
" 12	La France Co.	1894	.....	.....	2d	8¼	8	4¾	8	33	62	750	8,660	" " " "
" 13	La France Co.	1893	.....	.....	2d	8¼	8	4¾	8	33	62	750	8,200	" " " "
" 14	Clapp & Jones	1888	.....	.....	3d	7	7	4⅜	7	32	60	600	6,990	" " " "
" 15	Clapp & Jones	1891	.....	.....	x 1st	9¾	8	5¾	8	38	62	1,000	9,460	" " " "
*" 16	Hull—Brusstar Bros ... Pump—Thos. Manning Engine—E. J. Codd Co	1891	J.E. Woodall & Co	1897	.....	16	10	9	10	.....	....	4,400	.....	Double vertical pumps.
" 17	La France Co.	1895	.....	.....	2d	8¼	8	4¾	8	33	62	750	8,700	Vertical, crane-neck, piston double.
" 18	La France Co.	1893	.....	.....	3d	7⅜	8	4¼	8	32	60	600	7,000	" " " "
" 19	La France Co.	1895	.....	.....	3d	7⅜	8	4¼	8	32	60	600	7,100	" " " "
" 20	La France Co.	1897	.....	.....	3d	7½	8	4¼	8	30	60	650	8,950	" " " "
" 21	Clapp & Jones	1885	.....	.....	3d	6¼	7	3¾	7	32	60	500	6,700	Horizontal, half crane neck, piston double.

*Fireboat.

DESCRIPTION OF ENGINES—Continued.

Engines.	Built by	When Built.	Rebuilt by	When Rebuilt.	Size.	Cylinders.		Pumps.		Boilers.		Gallons Per Minute.	Weight as Drawn to Fires.	Style of Engine.
						Diam.	Stroke.	Diam.	Stroke.	Diam.	Height.			
†A	Ives Bros.	1872	La France Co.	1885	3d	10	12	5¼	12	34	62	500	7,800	Single horizontal, straight frame.
†B	Poole & Hunt	1860	Clapp & Jones	1884	3d	10	12	5	12	32	60	400	7,500	Single vertical, " "
†C	Ives Bros.	1876			3d	10	12	5	12	30	62	400	7,500	Single horizontal, " "
†D	La France Co.	1889			1st	8¾	18	5	8	33	60	900	9,600	Vertical, crane-neck, piston double.
†E	Silsby Manfg. Co.	1887			3d	Rotary Pump.				34	60	600	6,700	Rotary, crane-neck, " "
†F	Ives Bros.	1875	La France Co.	1883	1st	8	10	4¾	10	38	62	900	9,400	Double vertical, crane-neck, piston.

†Reserve.

HOSE.

Companies.	Fabric Hose Received.	Fabric Hose Required.	Fabric Hose in Service.	Fabric Hose Condemned.	Gum Hose in Service.	Gum Hose Condemned.	Chemical Hose Received.	Chemical Hose Required.	Chemical Hose in Service.	Chemical Hose Condemned.
	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.
No. 1 Engine Co.....	500	500	4,100	150	50	.....	50	100	250	.....
" 2 " "	1,000	500	3,700	1,000	.....	.....	.....	50	250	.....
" 3 " "	.....	500	3,000	200	.....	.....	.....	50	250	.....
" 4 " "	650	800	3,250	900	.....	.....	.....	100	250	.....
" 5 " "	250	500	2,850	150	.....	.....	.....	100	240	10
" 6 " "	500	500	3,700	250	.....	.....	100	200	200	100
" 7 " "	500	500	3,450	250	.....	.....	50	50	250	50
" 8 " "	.....	500	3,300	500	.....	.....	.....	50	250	.....
" 9 " "	300	500	3,300	100	.....	.....	.....	150	250	.....
" 10 " "	.....	500	3,200	500	.....	.....	.....	150	250	.....
" 11 " "	500	500	2,900	100	250	50	.....	.....	250	.....
" 12 " "	1,000	500	3,200	350	450	250	.....	50	250	.....
" 13 " "	300	500	3,800	300	.....	.....	.....	50	250	.....
" 14 " "	500	300	3,950	200	.....	.....	.....	50	250	.....
		500-2½"								
" 15 " "	1,300	300-3"	4,150	200	.....	.....	200	200	500	100
" 16 " "	250	250	1,700	50	250	100	.....	.....	200-1½"	.....
" 17 " "	.....	500	1,250	.....	2,450	200	.....	.....	250	.....
" 18 " "	.....	500	3,600	200	.....	.....	.....	.....	250	.....
" 19 " "	.....	.....	3,450	.....	.....	.....	.....	.....	250	.....
" 20 " "	.....	500	2,950	.....	.....	.....	.....	.....	250	.....
" 21 " "	250	250	3,150	.....	.....	.....	.....	.....	300	.....

| | | |

MANUAL FORCE OF THE DEPARTMENT.

OFFICERS.

Chief Engineer	1	
District Engineers	6	
Superintendent of Machinery	1	
		8

ENGINE COMPANIES.

No. 1 Engine Company	11	
" 2 " "	12	
" 3 " "	11	
" 4 " "	12	
" 5 " "	11	
" 6 " "	12	
" 7 " "	11	
" 8 " "	11	
" 9 " "	11	
" 10 " "	11	
" 11 " "	11	
" 12 " "	11	
" 13 " "	11	
" 14 " "	11	
" 15 " "	20	
" 16 " "	12	
" 17 " "	12	
" 18 " "	12	
" 19 " "	12	
" 20 " "	12	
" 21 " "	12	
		249

HOOK AND LADDER COMPANIES.

No. 1 Hook and Ladder Company	11	
" 2 " " "	11	
" 3 " " "	12	
" 4 " " "	12	
" 5 " " "	12	
" 6 " " "	12	
" 7 " " "	1	
" 8 " " "	1	
" 9 " " "	1	
" 10 " " "	12	
" 11 " " "	12	
		97

CHEMICAL ENGINE COMPANIES.

No. 1 Chemical Engine Company	3	
" 2 " "	3	
" 3 " "	3	
" 4 " "	3	
" 5 " "	3	
" 6 " "	3	
" 7 " "	4	
		22
Probationary firemen		20
Total active membership of the Department		396
Disabled members pensioned		24
Total membership		420

SALARIES OF OFFICERS AND MEMBERS.

		Per Annum.
1	Chief of Department	$2,000 00
6	District Engineers, each	1,400 00
1	Superintendent of Machinery	1,400 00
29	Captains of engine and hook-and-ladder companies, each	1,100 00
30	Lieutenants of engine and hook-and-ladder companies, each	1,000 00
21	Enginemen, each	1,100 00
23	Assistant enginemen, each	900 00
16	Tillerman of hook-and-ladder companies, each	900 00
28	Hostlers of engine and hook-and-ladder companies, each	900 00
7	Captains of chemical engine companies, each	900 00
10	Hostlers of chemical engine and Annex hook-and-ladder companies, each	800 00
145	Pipemen, each	800 00
54	Laddermen, each	800 00
2	Pilots on fire-boat, each	1,000 00
3	Stokers on fire-boat, each	800 00
20	Probationary firemen, each	500 00
396	Officers and members.	

PENSION ROLL.

Name.	*Position at Time of Retirement.*	*Amount of Annual Pension.*
D. H. McCauley	Captain	$550 00
J. F. Peerce	Hostler	450 00
W. G. Miller	Captain	400 00
J. R. Battee	Callman	400 00
G. H. Little	Pipeman	400 00
John Wernsing	Hostler	400 00
William Gordon	Callman	400 00
G. W. Ellender	District Engineer	400 00
W. M. Dunn	District Engineer	400 00
H. E. Curry	Ladderman	400 00
J. J. McGraw	Pipeman	400 00
J. T. Elliott	Ladderman	400 00
J. H. Gildea	Callman	400 00
L. Pistel	Callman	400 00
J. H. Hayward	Captain	400 00
R. M. Brown	Ladderman	400 00
J. W. Blake	Tillerman	400 00
Jacob Hindes	Captain	400 00
B. T. Wirts	Callman	400 00
T. H. Humphreys	Engineman	400 00
Solomon Uhlfelder	Pipeman	400 00
Charles A. Soistman	Pipeman	400 00
G. B. Chapman	Pipeman	400 00
James Gill	Tillerman	450 00

NUMBER OF BOXES TO WHICH COMPANIES ARE ASSIGNED TO RESPOND.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total.
No. 1 Engine Company	73	177	68	318
" 2 " "	84	66	95	245
" 3 " "	73	88	54	215
" 4 " "	112	121	99	332
" 5 " "	73	34	53	160
" 6 " "	72	124	61	257
" 7 " "	85	126	89	300
" 8 " "	90	81	71	242
" 9 " "	106	40	18	164
" 10 " "	67	93	72	232
" 11 " "	51	31	13	95
" 12 " "	38	22	29	89
" 13 " "	76	62	54	192
" 14 " "	65	22	17	104
" 15 " "	125	134	72	331
" 16 " " (fire-boat)	47	8	.....	55
" 17 " "	23	11	22	56
" 18 " "	62	28	28	118
" 19 " "	46	36	13	95
" 20 " "	24	13	19	56
" 21 " "	12	1	.....	13
Water Tower	32	73	1	106
No. 1 Hook and Ladder Company	61	79	48	188
" 2 " " "	129	112	53	294
" 3 " " "	79	34	19	132
" 4 " " "	53	114	82	249
" 5 " " "	50	105	49	194
" 6 " " "	58	35	2	95
" 7 " " "	17	.....	.....	17
" 8 " " "	26	14	.....	40
" 9 " " "	12	.....	.....	12
" 10 " " "	57	34	20	111
" 11 " " "	31	10	.....	41
No. 1 Chemical Engine Company	26	14	.....	40
" 2 " " "	40	41	.....	81
" 3 " " "	17	.....	.....	17
" 4 " " "	26	13	.....	39
" 5 " " "	26	12	.....	38
" 6 " " "	27	18	.....	45
" 7 " " "	12	.....	.....	12

Engine Companies.	Responded.	Transferred.	Feet of hose laid.	Tanks used	Extinguishers used.	Working time of steamers.		Time away from quarters.	
						Hours.	Min.	Hours.	Min.
No. 1 Engine Company	240	.....	29,800	88	3	84	25	210	23
" 2 " "	238	.....	37,300	162	2	111	55	212	15
" 3 " "	254	.....	22,450	91	.....	85	45	198	15
" 4 " "	231	.....	42,250	81	.....	94	35	244	5
" 5 " "	215	27	13,450	47	.....	46	.....	146	.....
" 6 " "	230	5	22,250	77	5	77	45	144	15
" 7 " "	214	3	26,550	72	.....	31	30	135	45
" 8 " "	246	9	13,000	60	.....	33	30	164	30
" 9 " "	285	12	24,650	77	1	37	30	243	15
" 10 " "	171	6	15,250	175	2	50	30	130	30
" 11 " "	122	25	8,300	27	1	34	45	113	55
" 12 " "	109	32	21,250	55	.....	59	15	128	15
" 13 " "	204	17	14,450	45	8	49	35	189	27
" 14 " "	131	.....	12,100	30	7	32	24	104	19
" 15 " "	251	.....	33,200	99	.....	90	5	216	23
" 15 " " (2d section)..	2	.....	1,000	1	.....	7	30	8	35
" 16 " "	112	.....	11,650	.....	.....	37	15	111	15
" 17 " "	58	39	13,000	26	5	43	.....	170	.....
" 18 " "	92	10	11,000	18	.....	18	30	188	30
" 19 " "	88	19	12,650	35	2	30	8	89	5
" 20 " "	45	6	13,150	10	2	38	.....	136	30
" 21 " "	28	2	5,700	16	.....	5	30	59	45

SERVICE OF COMPANIES AT FIRES.

Hook and Ladder Companies.	Responded to.	Transferred.	Extinguishers Used.	Ladders Used.	Working time.	
					Hours.	Min.
No. 1 Hook and Ladder Company..	198	14	63	274	277	15
" 2 " " " " ..	212	18	18	243	266	35
" 3 " " " " ..	223	13	34	237	180	15
" 4 " " " " ..	152	61	35	110	247	25
" 5 " " " " ..	131	32	72	202	105	47
" 6 " " " " ..	179	6	195	181	217	30
" 7 " " " " ..	26	.....	2	8	19	49
" 8 " " " " ..	33	.....	.....	36	56	.....
" 9 " " " " ..	26	.....	13	19	32	15
" 10 " " " " ..	102	68	46	111	280	48
" 11 " " " " ..	55	20	21	79	200	30

Chemical Engines.	Responded to	Transferred	Tanks Used.	Time Away from Quarters.	
				Hours.	Min.
No. 1 Chemical Engine Company.....	33	.....	17	56	.....
" 2 " " "	100	1	38	78	15
" 3 " " "	22	.....	14	28	20
" 4 " " "	46	.....	14	31	51
" 5 " " "	36	.....	15	24	7
" 6 " " "	48	.....	17	33	30
" 7 " " "	26	.....	9	32	15

SECOND, THIRD AND GENERAL ALARMS OF FIRES DURING 1900.

Box.	Location.	Date.	Alarm.	Alarm.	Alarm.
512	Charles and Lombard streets	January 18			General
525	Hanover and Pratt streets	March 28	Second		
441	Charles street and Bank lane	March 28			General
128	Lombard and Frederick streets	April 4	Second		
272	Biddle and Wolfe streets	May 12	Second		
547	Howard and Stockholm streets	June 28	Second		
521	Charles and Camden streets	June 28	Second		
613	Hughes and Covington streets	July 4		Third	
546	Howard and Hamburg streets	July 7	Second		
32	St. Paul and Saratoga streets	August 22			General
614	Hamburg and Johnson streets	August 29		Third	
468	Old Frederick road and Culver street	September 12	Second		
218	Front and Baltimore streets	September 13	Second		
134	Concord street and Eastern avenue	September 16		Third	
241	Front and Hillen streets	October 20	Second		
713	Druid Hill and Fulton avenues	October 30	Second		
244	McKim and Neighbor streets	November 13	Second		
134	Concord street and Eastern avenue	November 16		Third	
422	Howard and Fayette streets	December 8			General
413	Baltimore and Liberty streets	December 18	Second		
561	Leadenhall and Ostend streets	December 19	Second		

TABLE SHOWING THE NUMBER OF FIRES FOR EACH DAY OF THE WEEK IN 1900.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Monday	22	18	18	17	12	23	22	14	13	13	14	18	204
Tuesday	18	12	12	17	24	15	23	25	17	17	14	17	211
Wednesday	18	17	17	15	14	13	40	14	22	13	20	17	220
Thursday ...	21	19	14	13	19	17	16	16	17	12	28	16	208
Friday.....	14	11	16	21	9	15	17	20	14	11	36	12	196
Saturday.....	11	25	21	15	17	24	25	20	29	15	22	27	251
Sunday	12	10	15	18	14	12	14	12	12	6	17	26	168
Total.....	116	112	113	116	109	119	157	121	124	87	151	133	1458

TABLE SHOWING THE NUMBER OF FIRES FOR THE HOURS OF THE DAY DURING 1900.

Between A.M.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
12 and 1	7	2	4	3	6	2	5	2	...	5	6	5	47
1 " 2	3	3	1	4	1	2	4	2	3	1	5	4	33
2 " 3	3	4	4	4	4	1	3	3	5	2	4	3	40
3 " 4	1	3	3	2	3	...	3	1	3	4	4	4	31
4 " 5	1	1	2	...	4	3	3	7	3	4	2	...	30
5 " 6	2	2	2	3	2	1	3	5	1	2	...	1	24
6 " 7	3	...	1	...	3	1	...	2	5	3	5	2	25
7 " 8	2	5	2	4	1	5	5	2	2	...	6	5	39
8 " 9	3	2	4	10	6	5	10	5	3	4	5	9	66
9 " 10	3	2	5	5	4	7	7	3	3	...	7	7	53
10 " 11	6	7	5	10	3	7	4	7	8	7	5	8	77
11 " 12	5	10	5	5	4	7	9	7	5	8	11	8	84
	39	41	38	50	41	41	56	46	41	40	60	56	549
P.M.													
12 and 1	7	6	6	3	8	11	7	9	4	...	3	3	67
1 " 2	6	5	5	3	5	2	5	9	5	1	7	2	55
2 " 3	4	5	2	7	4	9	6	4	5	2	8	9	65
3 " 4	6	8	5	6	10	2	11	6	3	3	7	6	73
4 " 5	5	3	4	4	2	7	8	5	4	2	8	4	56
5 " 6	8	4	10	4	5	6	10	4	12	6	12	4	85
6 " 7	7	14	9	7	2	6	4	5	8	5	12	13	92
7 " 8	8	11	10	4	5	4	3	3	9	8	7	10	82
8 " 9	8	2	8	7	14	10	20	8	10	11	7	10	115
9 " 10	9	8	4	10	4	12	9	11	13	6	7	9	102
10 " 11	7	2	7	6	3	6	13	6	2	1	7	4	64
11 " 12	2	3	5	5	6	3	5	5	8	2	6	3	53
	77	71	75	66	68	78	101	75	83	47	91	77	909
	116	112	113	116	109	119	157	121	124	87	151	133	1458

SUMMARY OF FIRES FOR 1900.

	District 1.	District 2.	District 3.	District 4.	District 5.	District 6.	Total Box.	Silents.	Total.
January.....	5	19	10	22	13	14	83	33	116
February.....	13	19	8	15	9	7	71	41	112
March.....	15	17	5	23	9	5	74	39	113
April.....	17	18	7	18	8	12	80	36	116
May.....	16	18	6	22	12	6	80	29	109
June.....	14	20	4	24	12	10	84	35	119
July.	16	25	14	20	15	18	108	49	157
August.....	10	18	9	13	14	11	75	46	121
September...	14	23	10	17	12	9	85	39	124
October.....	10	9	8	21	10	6	64	23	87
November...	14	26	14	19	18	13	104	47	151
December...	19	17	11	18	21	10	96	37	133
	163	229	106	232	153	121	1,004	454	1,458

NUMBER OF FIRES AND LOSSES EACH YEAR SINCE THE ORGANIZATION OF THE PAID FIRE DEPARTMENT.

Year.	*Number of Fires.*	*Losses.*
1859	98	$ 350,000 00
1860	112	310,000 00
1861	115	60,000 00
1862	130	83,000 00
1863	138	120,482 33
1864	143	163,528 49
1865	163	71,358 90
1866	178	181,115 00
1867	193	293,045 00
1868	145	76,244 75
1869	187	398,259 09
1870	203	432,717 07
1871	226	475,391 00
1872	245	300,000 00
1873	265	892,628 58
1874	384	506,826 15
1875	348	608,351 30
1876	332	563,248 78
1877	420	438,715 57
1878	371	162,312 78
1879	306	192,654 54
1880	343	580,290 09
1881	324	454,773 35
1882	358	330,113 84
1883	399	561,520 04
1884	388	617,871 79
1885	474	441,743 06
1886	430	896,527 12
1887	496	1,162,359 26
1888	602	1,272,478 82
1889	545	477,329 07
1890	594	441,152 65
1891	676	650,009 73
1892	795	839,435 77
1893	829	1,153,129 76
1894	831	542,188 29
1895	816	730,751 11
1896	985	423,062 79
1897	1,110	572,497 39
1898	1,373	861,497 39
1899	1,309	438,583 38
1900	1,458 (Approximating December loss)	917,097 00
The total loss by fires in 42 years has been		$21,043,907 47

TABLE SHOWING THE DIFFERENT CAUSES OF FIRES AND ALARMS DURING 1900.

Accidental	2
Back draught from chimney	1
Bagging ignited from gasoline stove	1
Benzine ignited by lighted candle	2
Bed clothing ignited from lighted candle	1
Box pulled for preceding fire	3
Boy throwing lighted match under bed cover	1
Building filled with smoke	1
Burning of a baloon	1
Burning waste paper	5
Burning rubbish	6
Burning brush	3
Burning of waste to smoke out roaches	1
Burning of electric converter	2
Careless handling of candle	10
Carelessness	3
Careless handling of matches	36
Careless handling of lighted cigar	1
Carelessness in filling gasoline stove	5
Children playing with matches	40
Children playing with fire	4
Children playing with lighted candle	1
Child upsetting coal oil heater	3
Clothing ignited by heat of stove	5
Clothing ignited by hot-air register	1
Coal-oil lamp hanging too close to ceiling	1
Coal-oil stove taking fire	1
Coal-oil stove exploded	1
Coal-oil lamp exploded	1
Conductor dropping match on oily bench	1
Curtain ignited by candle	2
Curtain ignited from lamp	1
Curtain ignited by lighted gas jet	11
Crossed electric wires	4
Defective flue	34
Defective stovepipe	1
Defective oil stove	1
Defective furnace	2
Defective electric lamp	1
Drawing gasoline with a lighted lantern	1
Drawing gasoline with a lighted candle	1
Dropping lighted match	5
Dropping coal-oil lamp	7
Dropping a can of gasoline	1
Electric wire	33
Electric wire falling across awning	1
Electrocution of a lineman	1
Explosion of Ammonia pipe	1
Explosion of Chemicals	1
Explosion of a can of gasoline	3

Explosion of a coal-oil lantern	1
Explosion of coal-oil lamp	44
Explosion of coal-oil stove	29
Explosion of a can of coal oil	2
Explosion of ether	1
Explosion of a gasoline lamp	1
Explosion of a gasoline tank	8
Explosion of gasoline stove	93
Explosion of gas	7
Explosion of a spirit lamp	1
False alarms	43
Faulty construction of building	1
Filling a lighted gasoline stove	2
Fire works	23
Flames from a lamp	1
Flames from a gasoline stove	8
Floor ignited from burning soot	2
Flue badly constructed	1
Friction of belt	1
Friction of machinery	3
Gas jet igniting wood work	4
Gas jet setting fire to Mosquito net	2
Gas not being turned off after working hours	1
Gasoline ignited by lighted lamp	1
Gasoline ignited by lighted match	3
Gasoline ignited by lighted candle	3
Gasoline ignited while filling gasoline lamp	3
Gasoline leaking from stove	10
Gasoline reservoir running over and igniting	1
Gasoline ignited while filling reservoir	2
Gasoline ignited from a smoke pipe	1
Gasoline igniting from unknown cause	2
Gasoline stove being knocked over	3
Grease boiling over	3
Grease becoming ignited from fire in smoke house	1
Grease igniting from heat	2
Hearth badly constructed	1
Heat from boiler	2
Heat from baker's oven	2
Heat from furnace	3
Heat from cupola	1
Heat from a lamp	2
Heat from forge	1
Heat from gas-jet	3
Heat from stove	12
Heater used to heat pitch setting fire to lumber	1
Hot ashes	6
Hot rivet dropping through skylight	1
House filled with smoke	3
Incendiary	3
Joist resting on hot-air furnace	1
Kindling wood in oven	1
Lamp hanging on wall igniting clothing	1
Leaking coal-oil lamp	2

Leaking coal oil stove	1
Leaking gasoline stove	16
Leaking gas pipe	1
Leaking gasoline lamp	1
Leaking gasoline ignited from heat of oven	1
Leaking gasoline tank	5
Lightning on electric wire igniting gas	1
Lighted gas-jet ignited curtain	6
Lighted gas-jet ignited decorations	5
Lighted gasoline stove thrown in yard	1
Lighted lamp igniting gasoline in yard	1
Lighted match igniting drapery	2
Lighted match igniting dry goods	1
Lighted match igniting lounge	3
Lighted match igniting portiers	3
Locomotive colliding with freight car	1
Match ignited by being tread on	4
Matting ignited by coal-oil stove	1
Matting ignited by hot soot	1
Mice gnawing matches	1
Oil igniting while filling lamp	1
Overflow of a coal-oil stove	3
Overflow of a gasoline stove	6
Overflowing of a gasoline tank	4
Overheated boiler	1
Overheated brick kiln	2
Overheated coal-oil stove	14
Overheated flue-pipe	1
Overheated stove or furnace	36
Overheated stove or furnace-pipe	13
Overheated stack on chimney	1
Overheated smoke-house	3
Pan of lard igniting from stove	1
Pan of wax boiling over	1
Percussion cap from a toy pistol	1
Piece of paper igniting from gasoline stove	1
Portiers ignited from lighted gas-jet	3
Police officer saw light	1
Pouring oil on lighted fire in stove	1
Pot of oil boiling over	1
Reflection of fire from window	1
Reflection of fire from open fireplace	3
Rekindling of previous fire	12
Rubber tube becoming detached from gas stove	1
Rug ignited by burning brush	1
Scenery taking fire from a lighted torch	1
Set on fire by boys	4
Set on fire by tramps	1
Smoking pipe in bed	2
Smoke from furnace	8
Smoldering ruins from previous fire	2
Smoke blowing over roof	3
Smoke from windows	2
Smoke from regester	1

Soot in chimney burning	55
Soot taking fire under range	2
Soup boiling over	2
Sparks from cigar	2
Sparks from cupola	3
Sparks from chimney	30
Sparks from a cotton-picker	1
Sparks from a bonfire	5
Sparks from previous fire	1
Sparks from a locomotive	4
Sparks from stove	8
Sparks from a pipe	9
Sparks from an open fire-grate	3
Spontaneous combustion	23
Stove setting fire to bed	2
Stovepipe disconnected	2
Sulphur being burned to kill insects	1
Supposed incendiary	7
Table-cloth igniting from gasoline stove	1
Tank of ink boiling over and taking fire from gas jet	1
Tar boiling over	4
Thawing water-pipe	8
Tinners' fire-pot igniting curtains	3
Turpentine ignited by heat of stove	1
Upsetting coal-oil stove	17
Upsetting coal-oil lamp	25
Upsetting can of gasoline	1
Upsetting lighted candle	4
Upsetting lantern	3
Unknown	415
Vapor from gasoline engine causing explosion	1
Vapor from gasoline igniting from lighted lamp	1
Vapor from gasoline igniting from lighted gas	1
Varnish igniting from lighted match	1
Window shade ignited from lighted gas jet	2

FIRES THE LOSS AT WHICH EXCEEDED $5,000.00

January, 18th—Box 512.—A five-story brick and iron front building, No. 22 Hanover street, occupied by Burrows & Co., dealers in wall paper and window shades. The fire originated in the rear of the third floor, and extended through entire building, destroying stock, fixtures and roof, and extending through wall to adjoining building No. 20 Hanover street, unoccupied; partial burning of stairway on third and fourth floors and flooring, joists and ceiling on second, third and fourth floors.

The first alarm was received at 5.33 o'clock P.M., and the four-two signal at 5.36 o'clock P.M., and the recall signal at 2.59 o'clock P.M., January 19th. The services of thirteen engine companies and five hook-and-ladder companies were required. Loss, $65,864.82.

January, 28th—Box 51.—The fire originated in rear part of fourth floor of a four-story brick building, No. 21 E. Lombard street, occupied by Messrs. McCormick & Co., as importers of spices; partially burning a lot of wooden boxes, flooring, joists and ceiling, roof, doors, windows on fourth floor, and extended to third floor and partially burned the flooring, ceiling, joists, windows, bags and boxes of spices. Cause unknown.

The first alarm was received at 1.42 o'clock A.M., and the recall signal at 5.59 o'clock A.M. The services of five engine companies and two hook-and-ladder companies were required. Loss, $12,985.30.

March, 28th—Box 525.—A five-story brick building, Nos. 9 and 11 W. Pratt street, occupied by Diggs, Currey & Co., on second and third floors, and the Heiser Shoe Manufacturing Company on fourth and fifth floors. The fire originated about center of fifth floor, and partially burned roof and

rafters, woodwork and shoe making material; extended to elevator shaft and slightly burned woodwork around same on each floor. Cause unknown.

The first alarm was received at 3.16 o'clock A.M., and the second alarm at 3.55 o'clock A.M. The recall signal at 10.03 o'clock A.M. The services of seven engine companies and three hook-and-ladder companies were required. Loss, $78,048.80.

March 28th—Box 441—A five-story brick and marble-front building, Nos. 10 and 12 East Baltimore street, occupied by Messrs. Likes, Berwanger & Co. as a clothing store.

The fire originated in cellar and extended by way of a rear elevator shaft to the five upper floors, partially destroying interior woodwork of building and roof, and stock of clothing and gents' furnishing goods. Extended to the five-story brick building adjoining, occupied by Messrs. William J. C. Dulany Company as a book bindery and stationery store; partially burning the flooring and joists on fifth floor. Cause unknown.

The first alarm was received at 3.21 o'clock A. M., and the general alarm signal at 3.27 o'clock A.M., and the recall signal received at 12.33 o'clock P. M. The services of seven engines, four hook-and-ladder companies and one water tower were required. Loss, $161,192.60.

May 12th—Box 272.—Fire originated in a frame shed, East Biddle street extended, destroying it and seven adjoining frame sheds, occupied by Baltimore Brick Company as a brick manufacturing plant. Caused by an overheated drying kiln.

The first alarm was received at 4.43 o'clock A. M., and the second alarm at 4.52 o'clock A. M., and the recall signal at 9.03 o'clock A. M. The services of five engines, two hook-and-ladder and one chemical engine company were required. Loss, $7,079.96.

June 4th—Box 573.—Burning of a four-story unoccupied frame building, intended for occupancy as a hotel, situated at

Mount Holly, south of the Windsor Mill road and west of Seventeenth street, Walbrook. Cause of fire unknown.

The first alarm was received at 12.23 o'clock A. M., and the recall signal at 9.04 o'clock P. M. The services of two engine companies were required. Loss, $72,948.59.

June 14th—Box 623.—Fire originated on first floor in rear of a three-story brick building, No. 32 East Montgomery street, occupied by Messrs. Henry Campen & Co. as a tin can factory, partially burning the interior woodwork, machinery, roof and damaging stock of material. Cause unknown.

The first alarm was received at 2.49 o'clock A. M., and the recall signal at 7.12 A. M. The services of three engines and one hook-and-ladder company were required. Loss, $14,336.48.

June 28th—Box 521.—Fire originated on fourth floor of a four-story brick building, Nos. 220 and 222 S. Charles street, occupied by Charles F. Horwitz & Co. as a cigar factory, partially burning the roof, rafters, flooring, cigar boxes, packing boxes, work benches, window frames, woodwork around elevator and skylight, and stock of raw and manufactured goods. Caused by an overheated stove.

The first alarm was received at 9.55 o'clock P. M., and the second alarm at 10.01 o'clock P. M., and the recall signal at 11.55 o'clock P. M. The services of six engine and four hook-and-ladder companies were required. Loss, $13,770.75.

July 2nd—Box 515.—Fire originated in a one-story frame building in the rear of a three-story brick building, No. 305 W. Lombard street, occupied by Messrs. William Harris & Son and others, as a brass foundry, totally destroying the frame building, and extending to and partially burning the roof, flooring, ceiling, doors, windows and machinery in the three-story building above mentioned; also extended to and partially burned flooring, joists and windows in a two-story brick building, occupied by same parties, as moulding department, burning of patterns, work benches and brass-finishing supplies. Cause unknown.

The first alarm was received at 5.08 o'clock A. M., and the recall signal received at 7.10 o'clock A. M. The services of five engine and two hook-and-ladder companies were required. Loss, $6,793.69.

July 4th—Box 613.—Fire originated from spontaneous combustion, and confined to second floor of a two-story brick building at the foot of Montgomery street, occupied by Messrs. Moore & Brady, as a packing-house, partially burning the interior woodwork on second floor.

The first alarm was received at 1.05 o'clock A. M.

The second alarm was received at 1.13 o'clock A. M.

The third alarm was received at 1.13 o'clock A. M.

The recall signal was received at 4.26 o'clock A. M.

The services of five engine and two hook-and-ladder companies were required. Loss, $20,017.56.

July 7th—Box 546.—Fire originated from an unknown cause in a one-story frame building, No. 519 S. Howard street, occupied by Messrs. J. C. Textor & Bro., as cooperage works, partially destroying the building and contents, consisting of barrels, barrel staves and lumber; extended to a two-story brick stable in the rear, occupied by Mr. James H. Gaither, partially burning a number of wagons stored in the yard; completely destroying building and contents, contents, consisting of hay, straw and feed, together with five horses.

The first alarm was received at 10.46 o'clock P. M.

The second alarm was received at 10.55 o'clock P. M., and the recall signal was received at 5.04 o'clock A. M. The services of six engine and two hook-and-ladder companies were required. Loss, $7,471.98.

July 8th—Box 326.—A three-story brick building, No 1713, 1715 and 1717 Pennsylvania avenue, occupied by William Goldsmith, as a dry-goods store and dwelling. Partial burning of doors, frames, ceiling, shelving, sheathing around sky-

light, steps and fixtures on first and second floors, and stock of dry goods, notions, etc. Cause unknown. Loss, $16,618.11.

August 22nd—Box 32.—Six-story brick building, occupied by Maryland Telephone Manufacturing Company, situated northeast corner Dark lane and Lovegrove alley.

Fire originated on third floor and extended through the six floors, totally destroying the building and contents, consisting of finished and unfinished telephones, machinery and office furniture, and extended to the following buildings: Nos. 221 to 229 North Charles street, five-story marble-front and brick building, occupied as the Masonic Temple, partially burning window-panes and sash in rear on second, third, fourth and fifth floors, and back part of roof; extended to No. 217 North Charles street, occupied by McDowell & Company, a six-story brick carpet house, partially burning and warping shutters on first, second, third, fourth, fifth and sixth floors; extended to No. 10 East Lexington street, occupied by Sarah E. Johnston and others, a three-story brick office building, partially burning the roof; extended to a two-story brick stable in rear of a two-story brick office building, No. 16 East Lexington street, occupied by C. B. Freeland, partially burning the roof and roof of a two-story brick stable in the rear of No. 202 St. Paul street. Cause unknown.

The first alarm was received at 4.51 o'clock A. M., the four-two signal at 4.57 o'clock A. M., and the recall signal was received at 6.42 o'clock P. M.

The services of ten engines and five hook-and-ladder companies were required. Loss, $46,669.97.

August 26th—Box 547.—The fire originated in a dining-car, No. 756, and extended to a dining-car standing on opposite track, partial burning of both cars. Caused by the explosion of gas in Pintsch gas tank.

The first alarm was received at 4.35 A. M. The recall at 8.03 A. M.

The services of three engine companies and one hook-and-ladder company were required. Loss $11,100.

August 29th—Box 614.—Fire originated in one-story frame building, southeast corner Warren and Riverside avenues, occupied by Messrs. George F. Jones & Company as a paper warehouse.

Total burning of a one-story frame structure and contents, consisting of waste and manufactured paper; extended to a three-story brick building adjoining, partially burning the interior woodwork and stock on the first floor, and totally destroying the interior woodwork, machinery, and contents on second and third floors, and roof of a three-story brick building occupied as a paper mill. Cause unknown.

The first alarm was received at 10.48 o'clock P. M. The second alarm was received at 10.52 o'clock P. M. The third alarm was received at 10.53 o'clock P. M., and the recall was received at 3.44 o'clock A. M., August 30th.

The services of ten engine and three hook-and-ladder companies were required. Loss $27,996.20.

September 12th—Box 419.—Fire originated in and was confined to middle room on first floor of a three-story brick building, No. 304 North Howard street, occupied by the Standard Publishing Company, dealers in books, pictures and stationery, partially burning the flooring, ceiling, laths and plaster partition, shelving, books, pictures and stationery. Cause unknown.

The first alarm was received at 9.24 P. M., and the recall signal at 10.28 o'clock P. M. The services of three engine and one hook-and-ladder company were required. Loss $5,345.

October 5th—Box 184.—Two-story frame and brick box factory, No. 2515 Boston street, occupied by Canton Box Company.

Fire originated on second floor from an unknown cause; extended to several piles of lumber on the east and west sides.

The contents of building, consisting of lumber shucks, etc., was partially destroyed. Cause unknown.

The first alarm was received at 6.30 o'clock A. M.

The second alarm was received at 6.33 o'clock A. M., and the recall signal was received at 2.48 o'clock P. M. The services of seven engine and three hook-and-ladder companies were required. Loss $7,599.

October 6th—Box 576—Fire originated in boiler-room in rear of a one-story frame building west side Caton avenue, between Carroll street and Wilkens avenue, occupied by the American Ice Company as an ice manufactory, destroying the roof and partially burning the weatherboarding and contents, consisting of machinery, tools, etc. Caused by heat from boiler.

The first alarm was received at 1.10 o'clock A. M., and the recall signal at 5.01 o'clock A. M. The services of one engine and one hook-and-ladder company were required. Loss $11,000.

October 30th—Box 713.—Fire originated in a two-story frame building on Druid Hill avenue extended, occupied by United Railway Company as a car barn, completely destroying the building; extended to a two-and-a-half story frame dwelling and confectionery store, No. 2596 Druid Hill avenue, occupied by Mr. Frederick Lang, partially burning the roof and weatherboarding of same; extended to a two-story frame building, No. 2590 Druid Hill avenue, occupied by Mrs. Mary Curley as a dwelling house, partially burning the roof, ceiling, and side weatherboarding of same. Cause unknown.

The first alarm was received at 10.00 o'clock A.M.

The second alarm was received at 10.06 o'clock A.M., and the recall signal at 2.43 o'clock P.M. The services of four engine and two hook-and-ladder and one chemical company were required. Loss not known.

November 13th—Box 244.—Fire originated about center of two-story brick building, No. 851 to No. 853 Greenmount

avenue, occupied by Mr. Daniel Rider as a storage warehouse for hay and feed. Fire extended through interior of building, damaging stock of feed, oats, mill-feed, hay and straw, three wagons and interior wood-work and roof of building. Extended to roof of a two-story and attic unoccupied store and dwelling, No. 849 Greenmount avenue, slightly damaging the shingle roof of same. Cause unknown.

The first alarm was received at 1.37 o'clock A. M.

The second alarm was received at 1.42 o'clock A. M., and the recall signal at 9.50 o'clock A. M. The services of five engine and four hook-and-ladder companies were required. Loss, $5,236.23.

November 16th—Box 134.—The fire originated on second floor of a three-story and loft brick building, No. 522 Union Dock, occupied by the Baltimore Waste Company as a storage warehouse, partially burning the contents, consisting of baled waste, cotton and burlap, doors and window frames on second and third floors, and loft and woodwork of roof. Cause unknown.

The first alarm was received at 11.44 o'clock P. M.

The second alarm was received at 11.49 o'clock P. M., the third alarm was received at 11.53 o'clock P. M., and the recall signal at 12.07 o'clock A. M., November 17th. The services of eight engine companies and three hook-and-ladder companies were required. Loss, $8,737.30.

December 8th—Box 422.—Fire originated in rear part of cellar of a five-story brick building, No. 212 West Baltimore street, occupied by Jacob Epstein as a wholesale department store, and known as the Baltimore Bargain House. The fire extended by the stairway and elevator shafts throughout the entire building, destroying all interior woodwork and counters, shelving, showcases and stock of merchandise throughout the building. The fire extended to and partly burned the roof of a five-story brick building, No. 210 West Baltimore street, occupied by Grotjan, Lobe & Co. as an auction house; extended

to and partly burned the ceiling, joists and several packing cases in rear of four-story brick building, No. 206 West Baltimore street, occupied by John A. Horner & Company, and No. 208 West Baltimore street, occupied by J. Schoeneman as a pants' manufactory.

The first alarm was received at 3.02 o'clock A.M.

The four-two signal received at 3.10 o'clock A.M., and the recall signal at 5.42 o'clock P.M. The services of sixteen engine companies, five hook-and-ladder companies and one water tower were required. Loss not known.

December 18th—Box 413.—Fire originated on seventh floor, in rear of a seven-story brick building, No. 3 North Liberty street, occupied by Martin Mullin as a hotel; partially burning the doors and frames, windows, sash and frames, washboards, flooring, ceiling, partitions, kitchen furnishings, roof, sheathing and rafters, casing around elevator shaft on top floor. The fire extended to first, second, third, fourth, fifth and sixth floors by way of a dumb-waiter shaft and damaged the wood work in one room on each floor immediately adjoining said dumb-waiter shaft. Cause unknown.

The first alarm was received at 3.31 o'clock A.M.

The second alarm was received at 3.40 o'clock A.M., and the recall signal at 7.47 o'clock A.M. The services of five engine companies and three hook-and-ladder companies were required. Loss not known.

December 19th—Box 561.—Fire originated in a one-story frame building, corner of Ostend and Leadenhall streets, occupied by Messrs. Henry Seim & Co., as a storage house for broken glass, destroying the entire building and extending to and partly damaging the ceiling and roof of a two-story brick building occupied as a packing and storage house. Cause unknown.

The first alarm was received at 7.39 o'clock P.M.

The second alarm was received at 7.41 o'clock P.M., and the recall signal at 1.11 o'clock A.M., December 20th. The

services of five engine companies and two hook-and-ladder companies were required. Loss not settled.

FIRES AT WHICH RESCUES WERE MADE.

February 6th—Box 161, at 12.02 A.M.—Two-story and attic brick dwelling, No. 521 South Wolfe street. Mrs. Mary Zalinski and four children were rescued from the second story back room by means of ladders by members of No. 3 Hook-and-Ladder Company.

March 11th—Box 146, at 1.45 A.M.—Three-story brick, grocery store and dwelling, No. 224 Albemarle street. Two persons were rescued from the second story by means of a ladder by members of No. 3 Engine Company.

April 2nd—Box 324, at 2.11 A.M.—Three-story brick dwelling, No. 524 Oxford street. Nettie Pauper was rescued from third-story back room by means of a ladder by members of No. 4 Hook-and-Ladder Company.

April 21st—Silent alarm, at 5.25 A.M.—Three-story brick, restaurant and dwelling, No. 427 North Exeter street. Three children were rescued from the third-story front room by District Engineer August Emrich and members of No. 6 Engine Company.

June 9th—Box 438, at 11.32 P.M.—Four-story brick tenement, No. 818 West Pratt street. John Reily was rescued from the second-story front room by members of No. 10 Engine Company, using a ladder of that company.

August 26th—Box 146, at 11.11 A.M.—Three-story brick, store and dwelling, No. 1011 East Pratt street. Four persons were rescued from the third-story front room by means of a life-belt and ladder by members of No. 3 Hook-and-Ladder Company and No. 6 Engine Company.

September 11th—Box 121, at 10.36 A.M.—Four-story brick manufactory. William Hunter was rescued from the third-story front room by District Engineer August Emrich, unas-

sisted, and Elmer Hunter was rescued from the third-story front room by means of a roof ladder by members of No. 1 Hook-and-Ladder Company.

FIRES WHICH WERE ATTENDED BY LOSS OF LIFE.

1900.

February 3rd—Silent alarm at 7.30 A.M.—Mrs. O'Delia Neilson, 1613 North Wolfe street, was fatally burned by her clothing taking fire from a lighted torch while endeavoring to thaw frozen water pipes.

March 12th—Box 328 at 8.22 A.M.—Charles Oliver, aged six years, residing with his parents at 1408 Division street, was fatally burned while playing with fire.

April 4th.—Box 161 at 5.40 P.M.—Harry Nell, aged seventy-three years, residing at 535 Chapel street, was fatally burned by the explosion of a coal-oil lamp.

June 11th—Box 362 at 11.36 P.M.—Maria Glover, 425 Myrtle avenue, was fatally burned by the explosion of a coal-oil lamp.

June 25th—Box 38 at 5.32 P.M.—Mrs. Mary Miller, 2201 Pennsylvania avenue, by burning gasoline which had become ignited by the upsetting of a gasoline stove.

July 20th—Box 188 at 12.05 A.M.—Mrs. Joseph Sieraeka, residing at 3038 Boston street, was fatally burned by a fire in the second-story back room of a two-story brick dwelling. Cause of fire unknown.

August 23rd—Silent alarm at 6.26 P. M.—A. D. Brown, a lineman in the employ of the United Railways and Electric Company, was killed by electricity while at work on a pole located on the S. E. Corner Baltimore and Front streets. His body was removed from the pole by members of No. 1 Hook and-Ladder Company.

August 30th—Silent alarm at 4.30 P. M.—Mary Scott, age 17 years, residing at 238 S. Ann street, was fatally burned by the explosion of a can of coal oil.

November 10th—Box 445 at 11.42 A. M.—Mrs. Sarah McGee, residing at 120 Poppleton street, was fatally burned by an explosion of gasoline vapor, which ignited from the heat of a stove. Mrs. McGee at the time of the accident having been engaged in cleaning with gasoline.

December 10th—Silent alarm at 7.26 P. M.—Mrs. Gertrude Duvall, 143 E. Randall street, was fatally burned by the explosion of a coal-oil lamp.

TABLES.

CASUALTIES.

Company.	Position.	Name.	Date of Injury.	Box.	Time Off Duty.	Nature of Injury.
....	1st Dist. Engineer	George W. Horton.....	July 3...	177	9½ days.	Middle toe of left foot punctured.
No. 1 Engine.....	Captain.....	James T. Dunn...	July 2...	515	14 days.	Right ankle sprained and palm of right hand cut.
" 1 "	Captain.....	James T. Dunn...	Sept. 26	525	.....	Contusion of right knee and leg.
" 1 "	Lieutenant...	Frederick J. Stroehlein.	Aug. 29	614	20⅓ days.	Contusion of right hip.
" 1 "	Asst. Engineman.	William H. Hardy...	Jan. 3...	In quarters.	.....	Two toes mashed on right foot.
" 1 "	Pipeman.....	Joseph G. Burger...	Jan. 3...	517	61 days	Fracture of left collar bone.
" 1 "	Pipeman.....	Marion L. Sunderland..	Feb. 7..	In quarters.	11⅔ days.	Contusion of right knee.
No. 2 "	Pipeman.....	William Kimball...	Feb. 13	521	Not off duty.	Had his left hand burnt and wrist cut.
" 2 "	Pipeman.....	William H. Bell.....	Mch. 19	In quarters.	4 days.	Contusion of abdomen and testicles from the kick of a horse.
No. 3 Engine.....	Engineman.....	William T. Hubbard ..	Aug. 25	In quarters.	10 days and 20 hours.	Cellulitis of the right hand.
" 3 "	Probationer	Howard Dixon	May 25	215	6 days and 20 hours.	Sprained wrist and contused face.
No. 4 Engine.....	Asst. Engineman	John J. Cahill.....	Dec. 8.	422	5 days.	Back of head bruised and wrist sprained.
" 4 "	Lieutenant.....	John T. Owens.....	Jan. 18.	512	9 hours.	Overcome by smoke.
No. 5 Engine.....	Captain.....	Andrew W. German.....	Nov. 10	15	11 days	Right hand cut.

No. 5 Engine	Pipeman	John F. Bilson	Aug. 13	168	17½ days.	Rib on left side broken.
" 5 "	Pipeman	William B. Baker	Aug. 31	In quarters.	3⅔ days.	Nail wound in right foot.
No. 6 Engine	Captain	George W. Smith	June 28	521	None.	Abrasion of the right arm and leg and bruised left hand.
" 6 "	Pipeman	William McKay Morrow	April 25	145	101 days and 14 hours.	Fracture of both bones of left leg above ankle.
" 6 "	Pipeman	Harry L. Curran	Oct. 5	18	11 days and 4 hours.	Scalp lacerated.
No. 7 Engine	Captain	Samuel R. Watkins	June 28	547	3 days and 14 hours.	Heat Prostration.
" 7 "	Lieutenant	John A. McKew	Jan. 13.	313	7¾ days.	Right foot cut by glass
" 7 "	Engineman	Samuel Stansbury	Dec. 11.	In front of quarters.	9 days.	Contusion of right side of head.
" 7 "	Hostler	Herman Schiminger	July 25.	Out of quarters.	18 days and 20 hours.	Contusion of the muscles of back.
" 7 "	Pipeman	George Schneider	Jan. 18.	512	9 hours.	Overcome by smoke.
" 7 "	Pipeman	Walter Filling	Sept. 22	393	7 days and 16 hours.	Rupture of left side.
" 7 "	Pipeman	Harry W. Rice	Dec. 15.	153	None.	Contusion of left heel
" 7 "	Acting Pipeman	Kennedy Brown	June 2	269	84 days and 17 hours.	Fracture of both bones of left arm at wrist.
" 8 "	Pipeman	William Eckert	June 12	432	33 days.	Three ribs broken and muscles of back bruised.
" 8 "	Pipeman	John Wimkamp	July 29.	In quarters.	19 days.	Cellulitis in third finger of left hand.
" 11 "	Pipeman	John F. Curry	April 9.	Out of quart's	5½ days.	Contused right knee.
" 11 "	Pipeman	John F. Curry	July 20.	188	7⅞ days.	Contusion of right knee.

CASUALTIES—Continued.

Company.	Position.	Name.	Date of Injury.	Box.	Time Off Duty.	Nature of Injury.
No. 11 Engine	Pipeman	Philip Peacock	Dec. 18.	236	9 days.	Back sprained.
" 13 "	Pipeman	Albert Schyne	Feb. 1..	383	7⅞ days.	Contusion of left thigh and ankle.
" 13 "	Acting Pipeman...	Edward Quigley	Mch. 28	441	13 days.	Right arm sprained.
" 15 "	Hostler	Mark Hill	Feb. 26.	In quarters.	49⅞ days.	Kicked on right leg by horse.
" 15 "	Pipeman	Guy S. Ellis	Not known.	In quarters.	17 days	Nail on toe injured.
" 15 "	Probationer	Louis E. Schleicher	Feb. 26.	In quarters.	1⅔ days.	Kicked over left eye by horse.
" 15 "	Substitute	Martin Lutz	Feb. 19.	423	50½ days.	Lacerated stomach.
" 16 "	Probationer	William H. Kirwan	Oct. 1...	In quarters.	None.	Nail wound on left knee.
" 16 "	Pilot	Iverson J. Moon	Nov. 16	134	None.	Contusion of eye from stream of water.
" 16 "	Captain	Henry C. Dotter	Dec. 23.	147	15 days.	Right leg contused.
" 18 "	Pipeman	Joseph J. Presley	Feb. 4..	Out of quarters.	6¼ days.	Sprained right wrist.
No. 18 Engine	Pipeman	William J. McDonald...	Nov. 5..	339	Not off duty.	Contusion of right knee.
" 21 "	Pipeman	J. Fred. Schaefer	July 3...	Off duty.	50⅔ days.	Fracture of left ankle bone.
" 21 "	Pipeman	J. Fred Schaefer	Nov. 21.	394	Died.	Concussion of the brain.
" 2 Hook-and-Ladder	Ladderman	John J. Flynn	Dec. 8..	422	Still off duty.	Left ankle sprained and right side bruised.

No.	3	Hook-and-Ladder	Ladderman	Edward C. Walker	Feb. 5.	231	Not off duty.	Contusion of right knee.
"	3	"	"	Ladderman	Michael E. Lynch	Sept. 13	218		Contusion left shoulder.
"	3	"	"	Ladderman	Frederick Grauling	Oct. 5.	184		Contusion right toe.
"	4	"	"	Captain	Andrew J. Bilson	May 22.	Out of quarters.	24 days.	Rib fractured on right side.
"	4	"	"	Asst. Tillerman	Milton R. Quigley	Feb. 27.	Out of quarters.	None.	Right ankle sprained.
"	4	"	"	Asst. Tillerman	Milton R. Quigley	Aug. 22.	32		Right thumb lacerated.
"	4	"	"	Hostler	Andrew J. Connelly	Dec. 29, 1899	In quarters.	7 months and 6 days.	Cellulitis from wound
"	4	"	"	Hostler	Andrew J. Connelly	Oct. 16.	423	None.	Left leg and arm contused.
"	4	"	"	Ladderman	John S. Webb	Oct. 29.	In quarters.	4½ days.	Lacerated wound over right eye.
"	5	"	"	Lieutenant	George E. McNeill	Mch. 28	441	7⅔ days.	Inflammation of muscles of right forearm.
"	5	"	"	Asst. Tillerman	James McCarron	Nov. 13	244	None.	Partially dislocated finger on left hand.
"	5	"	"	Asst. Tillerman	James McCarron	Jan. 11.	Front of quarters.	None.	Right foot lacerated.
"	5	"	"	Asst. Tillerman	James McCarron	Jan. 29.	25	None.	Both sides of head lacerated.
"	6	"	"	Tillerman	Amos G. Bramble	Jan. 4.	62		Bronchial trouble from inhaling smoke.
"	6	"	"	Ladderman	James Nash	Mch. 28	525		Left hand cut by falling glass.
"	6	"	"	Captain	Paul Linde	Jan. 18.	512	69½ days.	Fractured ribs and contusion of body.

CASUALTIES—Continued.

Company.	Position.	Name.	Date of Injury.	Box.	Time Off Duty.	Nature of Injury.
No. 6 Hook and Ladder	Ladderman.....	Charles F. Fay.....	June 28	521	23⅞ days.	Contusion of right knee and leg.
" 6 " "	Substitute.....	W. A. Smith.....	Feb. 9..	61	.....	Contusion of index finger on right hand.
" 6 " "	Lieutenant	George S. Koller	Aug. 30	614	5½ days.	Contusion of right shoulder.
" 7 " "	Hostler.....	Andrew J. McCormick..	Oct. 19.	284	19 days and 14 hours.	Lacerated wound of right leg.
" 10 " "	Ladderman.....	Charles E. Brown.....	Jan. 23.	472	42 days and 16 hours.	Lacerated middle finger of left hand.
" 10 " "	Ladderman.....	Charles E. Brown.....	Mar. 17	In quarters	23 days.	Contusion of heel and sole of right foot.
" 10 " "	Ladderman.....	Charles E. Brown.....	June 23	373	13 days and 15 hours.	Left ankle cut.
" 11 " "	Ladderman.....	William White	Jan. 19.	512	12¾ days.	Inflammation of muscles of left arm.
" 11 " "	Probationer	Kennedy C. Brown.....	Oct. 8...	353	11½ days.	Scalded hand.
" 4 Chemical Engine.	Hostler...	John F. Raymond.....	Dec. 26	296	.....	Muscles of back strained.
" 7 " "	Pipeman.....	Matthew Carroll.....	Sept. 11	158 In quarters	4½ days.	Left foot contused.

Roster of the Department

—AND—

Location of Companies.

1900.

OFFICERS.

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
William C. McAfee	36	April 1, 1888	Chief Engineer	601 Lennox st.	Plumber.
George W. Horton	54	Mar. 1, 1862	1st Dist. "	404 Colvin st	Wire worker.
August Emrich	38	June 13, 1884	2nd " "	1032 E. Monument st	Coal dealer.
Frederick Branan	53	April 21, 1879	3rd " "	323 W. 21st st	Harnessmaker.
Fielding H. Lucas	49	April 1, 1881	4th " "	1013 N. Arlington ave	Type founder.
Levin H. Burkhardt	33	Nov. 3, 1890	5th " "	1252 Barclay st	Carpenter.
E. Louis Shipley	40	July 1, 1891	6th " "	1819 Druid Hill ave	Shoemaker.
Geo. J. Linsenmyer	58	April 1, 1883	Supt. Machinery	1435 Battery ave	Machinist.

No. 1 ENGINE COMPANY.—*Located at Paca Street, North of Fayette.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
James T. Dunn	40	April 1, 1890	Captain	636 W. Fayette st	Iron moulder.
Fredk. J. Stroehlein	28	Dec. 17, 1896	Lieutenant	1801 E. Fayette st	Clerk.
Thomas F. Sadler	41	Nov. 5, 1896	Engineman	1319 Edmondson ave	Machinist.
William H. Hardy	36	March 1, 1895	Asst. Engineman	328 S. Poppleton st	Machinist
Louis J. Fresch	57	Dec. 16, 1872	Hostler	507 N. Schroeder st	Carpenter.
Albert Oehlmann	35	July 1, 1888	Pipeman	627 W. Saratoga st	Blacksmith.
George W. Bentz	60	April 1, 1868	"	523 W. Saratoga st	Baker.
Marion L. Sunderland	25	Oct. 4, 1898	"	614 S. Paca st	Driver.
George J. Hamilton	25	Dec. 15, 1897	"	1711 E. Madison st	Driver.
Daniel O'Sullivan	24	July 31, 1899	"	620 Forrest st	Clerk.
William H. Schofield	23	June 5 1900	"	1014 Ridgely st	Stonecutter.
William H. Poehler	26	Nov. 23, 1900	Probationer	822 N. Bond st	Conductor.

No. 2 ENGINE COMPANY.—*Located on Barre Street, West of Sharp.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Henry Stagge	35	July 1, 1891	Captain	1117 Bowen st.	Iron moulder.
George C. Young	48	Mar. 31, 1891	Lieutenant	54 E. Hill st.	Tinner.
Thos. S. Atkinson	50	Aug 5, 1889	Engineman	226 N. Monroe st.	Machinist.
Daniel H. Weber	40	Aug. 1, 1889	Asst. Engineer	23 W. Hill st.	Machinist
Frank Hines	36	April 30, 1890	Hostler	936 S. Sharp st	Tinner.
George H. Hewitt	35	May 4, 1891	Pipeman	406 S. Sharp st	Brushmaker.
William Kimball	30	March 1, 1895	"	101 Roseland ave	Paperhanger.
William H. Bell	44	May 22, 1894	"	1142 Cleveland st.	Blacksmith
Edward Tauber	34	Jan. 1, 1890	"	21 W. Hill st.	Driver.
John J. Schlag	34	Nov. 27, 1897	"	1144 Scott st.	Moulder.
Charles N. Baker	48	Dec. 15, 1880	"	1728 Hollins st.	Sailmaker.
George W. Stewart	26	Dec. 15, 1897	"	1141 S. Sharp st	Bottler.

No. 3 ENGINE COMPANY.—*Located on East Lombard Street, near High.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
August Schlimm	34	April 1, 1890	Captain	305 S. Central ave	Hostler.
Francis Heusman	26	Mar. 19, 1898	Lieutenant	878 W. Lombard st	Flyman.
William T. Hubbard	42	Dec. 7, 1893	Engineman	31 S. Bond st.	Marine engineer.
Joseph P. Whalen	35	July 28, 1896	Asst. Engineman	1639 E. Fayette st	Machinist.
James Radford	36	March 9, 1897	Hostler	1712 E. Lanvale st	Driver.
Herman Fumbaugh	42	April 1, 1888	Pipeman	1817 E. Lombard st	Hostler.
Frank Doerer	35	March 1, 1895	"	111 N. Durham st.	Hostler.
Arthur G. Harrison	28	June 3, 1897	"	1610 E. Pratt st.	Plumber.
John Grasmick	27	Dec. 24, 1896	"	2029 Bank st.	Carpenter.
John T. Seabreaze	55	Feb. 5, 1892	"	125 S. Ann st.	Painter.
James Robb	24	May 26, 1898	"	112 S. Collington ave.	Laboror.
Hiram W. Crockett	27	June 23, 1900	Probationer	2107 Fairmount ave	Boilermaker.

No. 4 ENGINE COMPANY.—*Located on Lexington Street, between North and Calvert.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Lawrence Pistel	50	May 1, 1873	Captain	1544 Argyle ave	Cigarmaker.
John T. Owens	28	July 26, 1896	Lieutenant	1611 N. Wolfe st	Electric winder.
Herbert W. Peerce	33	July 1, 1891	Engineman	725 E. Preston st	Machinist.
John J. Cahill	36	Feb. 15, 1893	Asst. Engineman	1716 W. Lombard st	Machinist.
Israel D. Appleby	48	Dec. 12, 1896	Hostler	1933 Hollins st	Driver.
Constant Seibert	46	April 5, 1883	Pipeman	107 N. Collington ave	Driver.
Francis C. H. Berger	44	April 3, 1886	"	908 Ensor st	Silversmith.
Henry F. Boerner	40	March 1, 1895	"	718 E. Biddle st	Tinsmith.
George A. Ford	42	May 1, 1896	"	731 35th st	Clerk.
Harry C. Grimes	31	June 4, 1897	"	904 W. Lexington st	Machinist.
Howard A. Dixon	26	June 30, 1899	"	436 E. Lanvale st	Goldbeater.
Joseph F. Daly	23	May 17, 1899	"	132 N. Exeter st	Clerk.
William A. Hummel	26	Nov. 23, 1900	Probationer	435 E. Madison st	Candymaker.

No. 5 ENGINE COMPANY. *Located on Ann Street, near Gough.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Andrew W. German	51	June 1, 1872	Captain	153 Milton ave	Painter.
Charles Rosenthal	43	Oct. 1, 1890	Lieutenant	12 S. Ann st	Carpenter.
Frederick L. Nelson	53	Dec. 1, 1874	Engineman	404 S. Ann st	Machinist.
John M. Foard	30	Dec. 15, 1897	Asst. Engineman	2121 Orleans st	Machinist.
Henry Murphy	49	Dec 31, 1880	Hostler	2052 Bank st	Sugar refiner.
Henry R. Seippel	51	Dec. 1, 1874	Pipeman	103 S. Ann st	Barber.
William B Baker	43	June 17, 1882	"	208 S. Ann st	Brass finisher.
John F. Bilson	37	June 20, 1892	"	118 Montford ave	Painter.
Anthony Schoepplein	45	June 24, 1891	"	300 S. Regester st	Cooper.
William J. Bateman	26	Nov. 1, 1897	"	213 S. Exeter st	Varnisher.
William Landefeld	36	Dec. 12, 1896	"	405 N. Patterson Pk. ave.	Cutter.

NO. 6 ENGINE COMPANY.—*Located Corner Gay and Ensor Streets.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Charles Betz	47	Sept. 4, 1885	Captain	426 Colvin st	Shoemaker.
Frederick C. Weiss	27	Oct. 1, 1896	Lieutenant	2007 Gough st	Machinist.
Matthew Mulligan	61	Oct. 8, 1870	Engineman	1027 Valley st	Machinist.
Jacob M. L. Buckey	39	Oct. 5, 1898	Asst. Engineman.	219 S. Fremont ave	Machinist.
Andrew A. Albert	35	April 6, 1895	Hostler	1019 N. Castle street	Hostler.
George Sykes	39	May 6, 1892	Pipeman	725 Ensor st	Collarmaker.
John T. Gordon	27	Aug. 10, 1895	"	729 Chester st	Soap Presser.
Frederick H. Kaufman	27	Sept. 2, 1895	"	2000 E. Madison st	Carriagesmith.
Gustave Miller	28	March 1, 1895	"	507 N. Bond st	Hostler.
Charles Hesse	32	Nov. 3, 1897	"	1126 E. Lombard st	Shoemaker.
Harry L. Curran	29	Oct. 6, 1898	"	1206 Homewood ave	Driver.
William H. Perrine	33	Dec. 11, 1896	"	1107 Proctor st	Salesman.

NO. 7 ENGINE COMPANY.—*Located Corner Eutaw Street and Druid Hill Avenue.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
George W. Smith	43	May 12, 1890	Captain	903 Columbia ave	Plumber.
John A. McKew	32	April 1, 1893	Lieutenant	2042 E. Preston st	Machinist.
Samuel W. Stansbury	50	Dec. 1, 1874	Engineman	1925 W. Baltimore st	Machinist.
Frank R. Nehren	35	July 1, 1891	Asst. Engineman.	928 Argyle ave	Machinist.
Harman Schiminger	46	April 1, 1890	Hostler	885 W. Fayette st	Hostler.
George Schneider	32	Oct. 15, 1891	Pipeman	907 Madison ave	Gasfitter.
Walter Filling	25	Oct. 5, 1899	"	1126 Ridgely st	Hostler.
Clinton M. Soper	29	Jan. 20, 1899	"	2555 Francis st	Hostler.
William H. Chester	36	July 21, 1899	"	1543 Newington ave	Hostler.
Harry W. Rice	28	Jan. 10, 1899	"	1418 W. Pratt st	Clerk.
Conrad Reges	28	April 14, 1899	"	502 S. Washington st	Wood finisher.
Peter B. Mullen	42	July 10, 1891	Probationer	1332 Hillman st	Painter.

No. 8 ENGINE COMPANY.—*Located on Mulberry Street, near Arlington Avenue.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
William J. Stewart	49	Mch. 26, 1875	Captain	424 Arlington ave	Tinner.
John W. Cook	39	May 7, 1893	Lieutenant	639 Mosher st	Baker.
Charles E. Freeburger	52	June 1, 1875	Engineman	1202 Franklin st	Machinist.
William F. Awalt	39	April 1, 1890	Asst. Engineman.	312 N. Poppleton st	Machinist.
James McGlennen	38	Aug. 31, 1888	Hostler	1041 Mulberry st	Moulder.
Charles Airy	48	Oct. 11, 1883	Pipeman	784 W. Saratoga st	Cigarmaker.
William Eckert	42	April 15, 1887	"	1033 Mulberry st	Brushmaker.
James A. DePuey	42	Oct. 1, 1897	"	1931 W. Lanvale st	Paperhanger.
Joseph F. Squires	32	July 1, 1898	"	17 S. Carey st	Plumber.
John Weinkamp	33	April 14, 1891	"	655 Mulberry st	Cigarmaker.
William J. Watkins	38	Aug. 2, 1895	"	625 Payson st	Cotton Inspector.

No. 9 ENGINE COMPANY—*Located on Madison Street, East of Broadway.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Samuel R. Watkins	48	July 26, 1890	Captain	284 Harford road	Sailmaker.
Michael Ready	31	May 30, 1896	Lieutenant	1506 N. Eden st	Woodturner.
Daniel R. Rodgers	54	Feb. 1, 1872	Engineman	1005 McDonogh st	Machinist.
Edward R. McCullough	43	May 29, 1896	Asst. Engineman.	22 N. Bond st	Machinist.
Frisby Lloyd	40	Dec. 11, 1896	Hostler	951 N. Washington st	Canmaker.
James McDevitt	57	Feb. 1, 1872	Pipeman	803 N. Washington st	Harnessmaker.
Wm. H. Cuddy	43	June 20, 1888	"	1575 E. Madison st	Driver.
John Amend	40	Oct. 17, 1892	"	2209 Jefferson st	Boxmaker.
Richard V. Pittinger	52	April 1, 1880	"	1835 Jefferson st	Carpenter.
Frank G. Smith	27	April 1, 1897	"	2426 E. Fayette st	Can capper.
George N. Walker	33	March 1, 1899	"	36 N. Caroline st	Plumber.
Wm. H. Darney	29	Feb. 18, 1898	Probationer	3 Mine Bank lane	Carpenter.

NO. 10 ENGINE COMPANY.—*Located on Columbia Avenue, near Poppleton.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John B. Bortell	35	Sept 7, 1888	Captain	216 N. Luzerne st.	Ship Rigger.
John Kahl	31	Feb. 1, 1894	Lieutenant	1004 Light st.	Driver.
John W. Walsh	51	March 4, 1876	Engineman	1115 W. Baltimore st.	Machinist.
James Nugent	44	Oct. 1, 1884	Asst. Engineman	419 S. Poppleton st	Machinist.
Joseph W. Moon	50	Aug. 11, 1877	Hostler	436 E. Fort ave.	Driver.
Justice K. Keilholtz	55	Dec. 1, 1874	Pipeman	896 W. Lombard st.	Mantel setter.
John Eigenbrodt	39	Jan. 12. 1891	"	1134 Bowen st	Wood carver.
Edward B. Ward	27	March 1, 1895	"	1515 Battery ave.	Driver.
Thomas Kerr	37	Aug. 31, 1889	"	1120 Columbia ave.	Clerk.
John Watson	27	Dec. 15, 1897	"	942 W. Mulberry st.	Carpenter.
Edgar B. McKnew	24	May 19, 1899	"	902 W. Lombard st.	Horseshoer.
Milton Montgomery	23	Nov. 23, 1900	Probationer	121 N. Paca st.	Electrician.

NO. 11 ENGINE COMPANY.—*Located on Eastern Avenue, corner Patterson Park Avenue.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Michael A. Lind	39	July 13, 1887	Captain	505 S. Patterson Pk. ave.	Painter.
Thomas Flaherty	40	Jan. 29, 1882	Lieutenant	2015 Bank st.	Pilot.
John Calder	53	Oct. 8, 1870	Engineman	422 S. Patterson Pk. ave.	Machinist.
John Lindemann	52	April 7, 1889	Asst. Engineman.	2036 Bank st.	Machinist.
Patrick H. Birthistle	33	Feb. 14, 1893	Hostler	2 N. Curley st.	Driver.
Joshua H. Miller	44	Nov. 10, 1885	Pipeman	14 N. Curley st.	Cigarmaker.
Albert H. Gier	46	April 1, 1879	"	1913 E. Lombard st.	Painter.
Philip Peacock	42	March 1, 1895	"	608 S. Washington st.	Tinner.
George Shipley	43	Nov. 30, 1899	"	23 N. Chester st.	Gilder.
John W. Barton	36	June 7, 1892	"	2012 Gough st.	Moulder.
Wm. H. Kirwan	24	June 21, 1900	"	216 N. Collington ave.	Plumber.
Alonza Nickum	31	Feb. 23, 1900	Probationer	105 N. Eden st.	Bricklayer.

No. 12 ENGINE COMPANY.—*Located on Fort Avenue, corner of Riverside.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Paul Linde	33	Feb. 24, 1891	Captain	617 Hanover st.	Canmaker.
Albert Torney	35	May 11, 1897	Lieutenant	127 Parkin st.	Butcher.
Michael Lycett	54	Dec. 15, 1872	Engineman	1512 Henry st.	Machinist.
Chas. A. Fraser	34	Mar. 28, 1898	Asst. Engineman	1208 W. Lombard st.	Machinist.
George L. Krouse	33	Dec. 15, 1897	Hostler	147 E. Randall st.	Brushmaker.
Peter McGonigle	40	Jan. 15, 1890	Pipeman	1265 Riverside ave.	Cotton inspector.
Jos. N. McKenna	29	Dec. 5, 1895	"	1269 Fort ave.	Hardw'd finisher.
Ewd. C. Walker	31	Mar. 22, 1899	"	509 E. Randall st.	Painter.
Jos A. Nash	30	April 29, 1898	"	313 E. Fort ave.	Moulder.
Samuel Seymour	40	Dec. 7, 1885	"	740 E Fort ave.	Canmaker.
Robert Forsyth	31	Feb. 24, 1899	"	1429 William st.	Tinner.
William Hartwig	33	Nov. 27, 1900	Probationer	203 E. Hughes st.	Tinner.

No. 13 ENGINE COMPANY.—*Located corner Fremont and Myrtle Avenues.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John Todd	36	June 1, 1891	Captain	1128 N. Carrollton ave.	Laborer.
James Nolan	29	May 20, 1893	Lieutenant	221 N. Fremont ave.	Collarmaker.
John A. Banman	59	Sept. 8, 1877	Engineman	1117 Riggs ave.	Machinist.
John W. Eckhardt	33	Aug. 5, 1890	Asst. Engineman	843 W. Fayette st.	Machinist.
John F. Mackenzie	53	Feb. 8, 1889	Hostler	386 Waverly ave.	Car driver.
Wilbur Pearce	43	Oct. 5, 1883	Pipeman	1203 Winchester st.	Moulder.
Louis Buhler	27	Jan. 7, 1897	"	1620 N. Washington st.	Blacksmith.
Clifton Hedley	28	April 8, 1897	"	1826 Division st.	Painter.
Frederick W. Viehmeyer	40	July 13, 1893	"	652 W. Mulberry st.	Driver.
William Lamb	38	Aug. 7, 1894	"	1145 N. Carrollton ave.	Car driver.
Martin Lutz	28	Dec. 1, 1900	Probationer / Acting Pipeman	808 Chesapeake st.	Driver.
Wade H. Jones	24	Nov. 23, 1900	Probationer	1414 N. Gay st.	Driver.

NO. 14 ENGINE COMPANY—*Located on Hollins Street, near Monroe.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Jacob F. Rupp	43	June 29, 1888	Captain	21 S. Fulton ave	Plasterer.
William C. D. Knight	32	July 10, 1894	Lieutenant	1412 Hollins st	Driver.
John Gaffney	45	April 1, 1880	Engineman	1925 Hollins st	Machinist.
Cornelius P. Kuhan	54	Dec. 19, 1892	Asst. Engineman.	18 S. Monroe st	Machinist.
Joseph Lavender	53	Mch. 17, 1876	Hostler	1808 W. Saratoga st	Driver.
C. Allen Orem	50	Sept. 2, 1880	Pipeman	3119 W. North ave	Painter.
Leonard Jessop	45	July 1, 1892	"	2003 Hollins st	Plasterer.
Herman Seeger	33	Dec. 2, 1897	"	1918 Frederick ave	Cigarmaker.
Walter F. Musgrove	29	April 8, 1897	"	Wesley ave., Annex	Iron moulder.
George H. Mills	26	Oct. 19, 1898	"	2140 Hollins st	Driver.
Albert Schyne	34	Aug. 10, 1895	"	1915 Hollins st	Driver.

No. 15 ENGINE COMPANY.—*Located on Lombard Street, between Eutaw and Howard.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Jas. A. Campbell	36	Jan. 16, 1894	Captain	525 N. Paca st	Stonecutter.
Isaac Cuddy	30	Dec. 2, 1893	Lieutenant	806 N. Central ave	Carpenter.
Chas. E. Rice	31	April 15, 1893	Lieutenant	1633 W. Lexington st	Packer.
John Conway	45	Mar. 1, 1883	Engineman	1937 Hollins st	Machinist.
John Stanton	36	Mar. 1, 1895	Asst. Engineman	2206 E. Lombard st	Boilermaker.
Wm. F. Welsh	37	May 28, 1893	Asst. Engineman	1646 S. Charles st	Machinist.
Mark Hill	47	April 1, 1890	Hostler	1604 W. Franklin st	Tinner.
Chas. L. Schute	42	Nov. 10, 1892	Pipeman	639 S. Paca st	Butcher.
F. J. Lavender	29	July 9, 1895	"	757 St. Peter st	Laborer.
William F. Stewart	31	Nov. 15, 1893	"	206 Aisquith st	Iron moulder.
John A. Henneman	38	April 15, 1895	"	1842 Division st	Driver.
Chas. P. Griffin	48	Dec. 15, 1896	"	1103 Carroll st	Salesman.
Otto Liedtke	27	Oct. 1, 1898	"	2813 Eastern ave	Laborer.
George Lloyd	32	Feb. 19, 1893	"	1213 W. Cross st	Machinist.
Edward Kreager	31	Feb. 20, 1899	"	1718 Caroline pl	Driver.
Jos. B. Rea	29	May 13, 1899	"	809 Scott st	Driver.
Geo. D. Shanks	43	Dec. 15, 1896	"	1211 W. Cross st	Shoemaker.
Bankard B. Guthrie	26	June 22, 1900	"	503 N. Chester st	Plasterer.
Guy S. Ellis	38	July 1, 1898	"	345 S. Stricker st	Wagon finisher.
Henry Bierman	37	Nov. 24, 1900	Prob. Act. Pipeman	1028 W. Saratoga st	Electrical worker
Louis E. Schleicher	24	Sept. 6, 1899	Probationer	129 E. West ave	Enameler.
John C. Luckhardt	29	Feb. 21, 1899	"	1524 Boyle ave	Canmaker.
John Lesser	25	Nov. 24, 1900	"	211 S. Greene st	Baker.
Henry Spittel	27	Dec. 1, 1900	"	928 W. Saratoga st	Driver.
Anthony J. Porcella	22	Dec. 1, 1900	"	1007 Granby st	Driver.

No. 16 ENGINE COMPANY.—*Location, Commercial Wharf.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Henry C. Dotter	35	May 30, 1896	Captain	2327 Canton ave	Moulder.
Louis Harrer	43	Dec. 19, 1892	Lieutenant	227 S. Caroline st	Wharf builder.
William C. Stallings	52	Dec. 28, 1891	Pilot	303 S. Ann st	Pilot.
Iverson J. Moon	46	Oct. 15, 1897	"	1507 N. Wolfe st	Pilot.
Thomas H. Meushaw	44	May 1, 1885	Engineman	2204 E. Lombard st	Machinist.
William L. Sbisa	37	July 28, 1896	Asst. Engineman.	3127 E. Lombard st	Marine engineer.
Lawrence T. Rudolph	27	March 1, 1895	Asst. Engineman.	4136 Fort ave	Machinist.
James H. Hoey	53	July 1, 1891	Stoker	218 S. Castle st	Stoker.
James G. Guy	32	Feb. 13, 1897	"	1511 N. Wolfe st	Railway fireman
John F. Curry	32	July 15, 1894	"	1823 Canton ave	Stove mounter.
William H. Seibert	39	Oct. 1, 1897	Pipeman	3128 Elliott st	Stevedore.
George L. Schlimm	40	April 1, 1888	"	252 S. Exeter st	Boxmaker.
Charles E. Donohue	22	Nov. 23, 1900	Probationer	1823 E. Canton ave	Clerk.

No. 17 ENGINE COMPANY.—*Located corner Fort Avenue and Haubert Street.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John Prenger	48	April 15, 1890	Captain	1411 Hull st	Machinist.
Edward C. Klessel	48	Feb. 11, 1882	Lieutenant	1442 Riverside ave	Gilder.
Thomas F. Sexton	46	July 1, 1882	Eng neman	105 Clement st	Machinist.
John I. Crawford	31	Feb. 15, 1893	Asst. Engineman.	1001 Belt ave	Machinist.
Caspar Kraft	40	Dec. 9, 1892	Hostler	402 Folsom st	Driver.
James Catterton	51	Oct. 23, 1886	Pipeman	1460 William st	Painter.
John Moeller	33	Oct. 13, 1893	"	1330 E. Fort ave	Packer.
Thomas Voyer	40	April 1, 1890	"	529 E. Fort ave	Boilermaker.
Frank A. Kraft	30	July 7, 1894	"	610 E. Fort ave	Painter.
Peter Lohman	42	May 1, 1896	"	1515 Jackson st	Laborer.
James J. Knox	40	May 6, 1895	"	1441 Decatur st	Laborer.
Charles F. Fay	43	Feb. 14, 1893	"	21 E. Ostend st	Carpenter.

No. 18 ENGINE COMPANY—*Located on Twenty-first Street, near Maryland Avenue.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John H. Morgan	50	Nov. 29, 1872	Captain	333 E. Twenty-first st.	Paperhanger.
William H. Quincy	45	Feb. 1, 1893	Lieutenant	334 E. Lafayette ave.	Stonecutter.
Thomas S. Brown	41	Aug. 1, 1886	Engineman	122 W. Twenty fourth st.	Machinist.
Elijah J. B. Moore	37	Mch. 1, 1895	Asst. Engineman.	1306 Valley st.	Machinist.
John W. Potts	43	June 1, 1888	Hostler	2356 Oak st.	Driver.
Robert H. Blatchley	30	Feb. 14, 1893	Pipeman	2217 Jefferson Place	Painter.
William J. McDonald	33	Mch. 1, 1895	"	2726 Huntingdon ave.	Tinner.
Thomas H. Sutton	30	Jan. 1, 1895	"	2441 Barclay st.	Motorman.
George U. McFadden	32	May 10, 1892	"	3222 Cedar ave.	Carpenter.
William A. Hall	36	Mch. 1, 1895	"	711 Warner st.	Stonecutter.
Ralph J. Hill	34	Aug. 19, 1899	"	400 Turner Place	Laborer.
George W. Reinhardt	25	Feb. 20, 1898	"	113 W. Twenty-third st.	Salesman.

No. 19 ENGINE COMPANY—*Located corner North Avenue and Bond Street.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Benjamin Price	56	Apr. 1, 1879	Captain	2615 Atlantic ave.	Coffee roaster.
John M. Frederick	38	Sept. 7, 1888	Lieutenant	1724 Harford ave.	Shoemaker.
John N. Bletzer	37	Jan. 25, 1889	Engineman	722 S. Bond st.	Machinist.
Jacob S. Corns	47	Mch. 1, 1895	Asst. Engineman.	1812 N. Broadway	Machinist.
Michael J. Farley	38	April 26, 1889	Hostler	1827 N. Bond st	Driver.
John F. Maguire	32	Feb. 7, 1893	Pipeman	1833 N. Bond st.	Shipping clerk.
Louis Lohmann	40	Mch. 1, 1895	"	2012 E. Federal st.	Varnisher.
George Yurek	27	Mch. 13, 1899	"	602 S. Ann st.	Brass finisher.
Conrad Reges	28	April 14, 1899	"	502 S. Washington st.	Wood finisher.
Zachariah H. Foote	36	Feb. 26, 1892	"	68 Belair ave.	Moulder.
William McK. Morrow	31	May 14, 1895	"	1213 Ashland ave.	Paper carrier.
Thomas H. Durkin	25	June 22, 1900	"	1605 Clifton Place	Clerk.

No. 20 ENGINE COMPANY.—*Located on West North Avenue, near Tenth Street.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
George F. Kennard	34	Sept. 5, 1891	Captain	3024 Northwest st	Clerk.
William I. Johns	42	Aug. 3, 1888	Lieutenant	1430 E. Lanvale st	Bricklayer.
John H. Deal	58	Feb. 1, 1872	Engineman	1812 Ninth st	Machinist.
Charles A. Litchfield	27	Dec. 15, 1897	Asst. Engineman	217 S. Mount st	Machinist.
Richard H. Hobson	37	Aug 20, 1896	Hostler	1901 Braddish ave	Laborer.
Samuel W. Marker	49	April 15, 1880	Pipeman	1715 Liberty road	Carpenter.
Philip Bowen	49	Mar. 19, 1877	"	3022 Northwest st	Cigarmaker.
Hugh P. Fox	42	July 8, 1892	"	2911 Walbrook ave	Blacksmith.
Walter J. Woods	48	Mar. 26, 1897	"	901 Florence st	Carpenter.
William S. Couzens	39	Feb. 4, 1898	"	1414 E. Lanvale st	Collarmaker.
Joseph G. Burger	41	Mar. 30, 1897	"	2648 North ave	Driver.
Charles Sapp	39	April 15, 1893	"	1414 W. Pratt st	Driver.

No. 21 ENGINE COMPANY.—*Located corner Roland Avenue and Oliver Place.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John Hoffman	53	April 1, 1879	Captain	637 Pitcher st	Canmaker.
William F. Morrow	51	April 1, 1876	Lieutenant	1629 Druid Hill ave	Moulder.
Jackson H. Hedrick	36	Dec. 23, 1896	Engineman	121 N. Patterson Pk. ave.	Machinist.
R. R. Higgins	25	May 13, 1899	Acting Asst. Engineman.	2125 Fairmount ave	Marine engineer.
Thomas R. Wann	32	March 9, 1897	Hostler	519 Oliver Place	Motorman.
James L. Clarkson	42	Aug. 1, 1888	Pipeman	226 Hickory ave	Driver.
John R. Miller	30	March 1, 1895	"	3532 Chestnut ave	Carpenter.
Edward E. Harp	28	Oct. 1, 1897	"	701 Third ave	Lineman.
Andrew Lee	47	March 6, 1899	"	1522 Baker st	Driver.
Samuel Bersterman	24	Jan. 22, 1900	"	1539 Ensor st	Carpenter.
Courtney Crabster	30	Sept. 8, 1899	"	728 Second ave	Ironworker.
Henry W. Burkhardt	24	Nov. 30, 1900	Prob. Act. Pipeman	2524 Orleans st	Clerk.

No. 1 HOOK AND LADDER COMPANY.—*Located on Harrison Street, near Fayette.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Robert R. Perry	32	June 7, 1892	Captain	2219 Orleans st	Iron moulder.
George E. McNeil	29	July 28, 1897	Lieutenant	1631 McElderry st.	Stoker.
George W. Haskell.	56	April 22, 1876	Tillerman	1802 Gough st	Carpenter.
Harry A. Donahue	33	Mar. 31, 1896	Asst. Tillerman	1236 E. Lexington st	Cutter.
John T. Mulligan	40	Jan. 20, 1885	Hostler	1222 Jackson st	Driver.
Zachary T. Seabreeze	52	April 1, 1890	Ladderman	125 S. Ann st	Driver.
Joseph H. Daly	46	Jan. 15, 1881	"	132 N. Exeter st	Stonecutter.
James P. Lyons	28	Mar. 1, 1895	"	915 E. Baltimore st	Horseshoer.
John R. Herr	29	Nov. 20, 1895	"	1939 Fairmount ave	Clothingcutter.
Robert F. Creamer	33	Mar. 9, 1897	"	1507 N. Dallas st	Carpenter.
John Strohminger	30	June 2, 1900	"	2024 E. Fayette st	Driver.
Bartley Holloran	30	Dec. 1, 1900	Probationer	812 E. Madison st	Scroll sawyer.

No. 2 HOOK AND LADDER COMPANY.—*Located on Paca Street, near Fayette.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Emil Heise	41	April 1, 1890	Captain	307 N. Caroline st	Furniture packer
John L. Emerson.	32	Jan. 18, 1892	Lieutenant	2406 Druid Hill ave	Painter.
Frederick W. Johnston	31	May 1, 1894	Tillerman	2127 W. Lexington st	Carpenter.
Wm. G. Schultz	28	May 18, 1896	Asst. Tillerman	404 N. Washington st	Boxmaker.
Thos. Montgomery	59	April 1, 1870	Hostler	121 N. Paca st	Driver.
Wm. P. Burke	36	Mar. 1, 1895	Ladderman	2038 Eastern ave	Boilermaker.
Q. A. G. Hughes	37	Dec. 12, 1896	"	1811 Fairmount ave	Freight handler.
Howard Travers	25	April 29, 1897	"	119 N. Paca st	Laborer.
John W. Wittig	29	April 27, 1898	"	410 S. Ann st	Laborer.
John J. Flynn	33	Oct. 1, 1897	"	215 S. Regester st	Stationary engn'r
Louis A. Tuckerman	25	June 23, 1900	"	12 Marriott st	Hairspinner.
George E. Weber.	24	Nov. 23, 1900	Probationer	23 W. Hill st	Clerk.

No. 3 HOOK AND LADDER COMPANY.—*Located on South Ann Street, near Gough Street.*

Name.	Age	Date of Appointment.	Position.	Residence.	Former Occupation.
George W. Foxwell	54	Jan. 1, 1871	Captain	1911 Bank st	Shipwright.
Peter Nelson	42	Jan. 3, 1890	Lieutenant.	14 S. Ann st	Seaman.
John N. Downs	53	Jan. 1, 1871	Tillerman	2123 Orleans st	Painter.
James F. Reilly	48	Nov. 13, 1874	Asst. Tillerman	1633 E. Lombard st	Painter.
Wm. Hastler	37	Mch, 21, 1893	Hostler	1925 Canton ave	Hostler.
Frederick Grauling	36	Dec. 26, 1892	Ladderman	2031 Canton ave	Laborer.
Christian Fitzberger	30	Mch. 1, 1895	"	123 S. Caroline st	China packer.
Michael E. Lynch	40	June 1, 1893	"	244 S. Regester st	Laborer.
Joseph M. Diggs	32	May 30, 1896	"	214 S. Castle st	Iron moulder.
George E. Wellslager	29	Dec. 15, 1897	"	214 N. Patterson Pk ave	Shearcutter.
Charles T. Taylor	26	June 1, 1898	"	1527 S. Charles st	Machinist.
Frederick N. Duke	34	June 17, 1899	"	2227 Essex st	Copper smelter.

No. 4 HOOK AND LADDER COMPANY.—*Located on Biddle Street, near Druid Hill Avenue.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Andrew J. Bilson	49	July 2, 1896	Captain	629 N. Carey st	Plasterer.
Henry J. Carle	30	April 2, 1894	Lieutenant	603 W. Biddle st.	Electrotyper.
George E. Gill	41	May 6, 1891	Tillerman	1413 Argyle ave	Painter.
Milton R. Quigley	36	Nov. 20, 1897	Asst. Tillerman	509 Pine st	Plumber.
Andrew J. Connelly	44	April 1, 1882	Hostler	1325 Lafayette ave	Driver.
Wm. Schipfarling	27	June 10, 1898	Ladderman	222 E. Cross st	Baker.
Lawrence Blake	53	April 1, 1871	"	1543 N. Aisquith st	Painter.
Benj. Goetzinger	29	April 27, 1898	"	2119 E. Monument st.	Driver.
James H. Wentz	26	Sept. 1, 1898	"	306 Parkin st	Stonecutter.
Frank Dolan	32	Nov. 2, 1898	"	1009 Pennsylvania ave	Iron moulder.
John S. Webb	38	March 9, 1899	"	1047 W. Lexington st	Driver.
Benjamin F. Seipp	23	June 22, 1900	"	410 Pearl st	Bl'ksmith helper.

No. 5 HOOK AND LADDER COMPANY—*Located on Aisquith Street, near Oliver.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Franklin A. Teal	28	Jan. 24, 1896	Captain	1324 Aisquith st	Street paver.
George E. Croucher	38	Mch. 1, 1888	Lieutenant	2012 E. North ave	Canmaker.
Louis Herman	30	Oct. 1, 1897	Tillerman	1525 N. Spring st	Machine hand.
James McCarron	30	Mch. 1, 1895	Asst. Tillerman	2002 E. Chase st	Potter.
William Quinn	51	April 1, 1887	Hostler	1034 N. Eden st	Driver.
Frederick W. Harman	36	Aug. 31, 1892	Ladderman	417 Mott st	Brassfinisher.
George F. Thompson	48	April 1, 1892	"	1049 Harford ave	Strawhat maker.
George Hanauer	26	Dec. 17, 1897	"	1401 N. Washington st	Driver.
John Sullivan	37	Dec. 8, 1899	"	1200 Harford ave	Painter.
Stephen Cosgrove	24	Oct. 6, 1898	"	831 Woodward st	Painter.
Robert E. L. Johns	37	Feb. 7, 1898	"	1613 E. Lanvale st	Carpenter.
Michael J. Kram	37	Dec. 28, 1898	"	1104 E. Hoffman st	Cooper.

No. 6 HOOK AND LADDER COMPANY—*Located Northeast corner Hanover and Ostend Streets.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
William R. Bolgiano	41	Dec. 15, 1897	Captain	1219 Hanover st	Clerk.
George S. Koller	28	Oct. 11, 1897	Lieutenant	1435 Hanover st	R. R. fireman.
Amos G. Bramble	32	Mch. 1, 1895	Tillerman	111 W. Clement st	Driver.
Henry Marks	28	Oct. 25, 1898	Asst. Tillerman	32 E. Randall st	Laborer.
Louis Matthaei	37	Nov. 12, 1891	Hostler	1336 Hanover st	Driver.
Henry Toepfer	34	Feb. 14, 1893	Ladderman	1906 Light st	Baker.
William Leonard	47	Feb. 23, 1894	"	1307 Marshall ave	Carpenter.
Joseph P. Neubert	49	Mch. 1, 1895	"	1364 Andre st	Electrician.
Henry Meil	28	Dec. 15, 1896	"	1608 E. Chase st	Carpenter.
Charles H. Wheatley	41	Feb. 22, 1896	"	313 E. Cross st	Boilermak'r hlpr.
Jacob F. Kirkwood, Jr	24	Sept. 19, 1899	"	686 Portland st	Salesman
Adolph Vanderlinde	23	Aug. 28, 1899	"	513 S. Howard st	Engineer.

No. 7 HOOK AND LADDER COMPANY.—*Located at Waverly.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Andrew J. McCormick...	41	May 19, 1889....	Hostler.....	505 Friendship Lane.....	Car driver.

No. 8 HOOK AND LADDER COMPANY.—*Located on Brunswick Street, near Frederick Road.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John L. Durham.....	37	May 5, 1889.....	Hostler.....	137 Millington ave.....	Plumber.

No. 9 HOOK AND LADDER COMPANY.—*Located Corner Roland Avenue and Oliver Place.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John L. Thomas.....	31	June 1, 1892.....	Hostler.....	738 Thirty-fifth st.....	Blacksmith.

No. 10 HOOK AND LADDER COMPANY.—*Located on Lafayette Avenue, between Stricker and Gilmor Sts.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
H. C. Kabernagel	41	April 15, 1896	Lieutenant	1418 W. Lafayette ave	Laborer.
J. J. Purcell	29	April 21, 1896	Tillerman	1432 Argyle ave	Carpenter.
J. B. Kelly	43	April 1, 1887	Asst. Tillerman	1528 Division st	Driver.
Cooper Elliott	48	Oct. 1, 1887	Hostler	719 N. Caroline st	Driver.
Chas. Brown	31	Oct. 1, 1893	Ladderman	1505 W. Fayette st	Laborer.
Wm. T. Hughes	34	Feb. 4, 1898	"	710 Blucher st	Stonecutter.
F. H. Carr	24	Dec. 8, 1897	"	2013 W. Lanvale st	Steamfitter.
A. I. Walker	36	Oct. 8, 1898	"	1504 W. Lafayette ave	Plumber.
Wm. S. Fort	32	Feb. 8, 1898	"	1923 Harlem ave	Painter.
K. C. Brown	29	June 22, 1900	"	1022 Hopkins ave	Printer.
G. C. Raabe	38	Sept. 6, 1899	"	713 Barre st	Hostler.

No. 11 HOOK AND LADDER COMPANY.—*Located on Twenty-first Street, near Maryland Avenue.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Thomas J. Strahler	41	Dec. 10, 1881	Captain	1320 Ensor st	Tinner.
Edward W. Steinacker	40	June 1, 1888	Lieutenant	2710 Huntingdon ave	Hostler.
Frank A. Hanssen	32	Dec. 12, 1892	Tillerman	2151 Jefferson Place	Blacksmith.
George E. Fornwalt	31	Jan. 17, 1897	Asst. Tillerman	757 W. Fayette st	Fireman.
Joseph J. Presley	33	Feb. 14, 1893	Hostler	1634 Druid Hill ave	Car driver.
Clarence Kirby	40	Dec. 12, 1896	Ladderman	535 E. Twenty-third st	Carpenter.
William White	55	April 1, 1868	"	1101 N. Carrollton ave	Carpenter.
George T. Evans, Jr.	23	July 27, 1898	"	922 E. Madison st	Upholsterer.
Charles L. Wain	32	Dec. 9, 1897	"	2125 Madison ave	Driver.
Henry Heinze	34	Aug. 1, 1898	"	1840 Harford ave	Shipping clerk.
James J. Reynolds	41	July 20, 1889	"	431 Roland ave	Car driver.
Peter J. McMahan	27	Nov. 27, 1900	Probationer / Act. Ladderman	2105 E. Lombard st	Laborer.
John Bell	43	Sept. 15, 1897	Probationer	527 Oliver Place	Porter.

No. 1 CHEMICAL ENGINE COMPANY.—*Located on Brunswick Street, near Frederick Road.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Chas. L. Steinwedel	32	Mar. 9, 1897	Captain	8½ Carroll st	Laborer.
John A. Epp	38	Feb. 15, 1893	Hostler	434 Frederick ave	Cabinetmaker.
Antone Yienger	36	July 23, 1889	Pipeman	1 Brunswick st	Candymaker.
Henry Miller	26	Nov. 23, 1900	Probationer	420 Scott st	Driver.

No. 2 CHEMICAL ENGINE COMPANY.—*Located on Mary Street, near Retreat.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former. Occupation.
James K. Merriken	38	Aug. 1, 1888	Captain	3019 Pennsylvania ave	Driver.
Christian Freyer	41	May 1, 1893	Hostler	2104 Walbrook ave	Blacksmith.
John M. Gilleland	33	April 3, 1895	Pipeman	1305 Fulton ave	Driver.

No. 3 CHEMICAL ENGINE COMPANY.—*Located at No. 20 Engine House, Walbrook.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
James A. Clark	36	Aug. 20, 1891	Captain	1161 York road	Car driver.
James McGee	43	Sept. 27, 1897	Hostler	1039 W. Mulberry st	Driver.
Charles M. Johannes	34	Jan. 25, 1895	Pipeman	3013 Northwest st	Stonecutter.

No. 4 CHEMICAL ENGINE COMPANY.—*Located at Waverly.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
William H. Taylor	59	June 1, 1888	Captain	3108 York road	Conveyancer.
John F. Raymond	26	Dec. 28, 1899	Hostler	414 Girard ave	Lineman.
William Wiley	58	April 1, 1887	Pipeman	1308 Harford ave	Cigarmaker.
Samuel Truett	35	Nov. 23, 1900	Probationer	328 Girard ave	Painter.

No. 5 CHEMICAL ENGINE COMPANY.—*Located at Homestead.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Robert H. Dougherty	43	Jan. 12, 1889	Captain	1611 N. Eden st	Undertaker
Ambrose Spangler	35	Nov. 26, 1895	Hostler	47 Gorsuch ave	Driver.
Martin Kirby	55	Feb. 1, 1883	Pipeman	1206 E. Fayette st	Trunkmaker.

No. 6. CHEMICAL ENGINE COMPANY—*Located on Belair Avenue.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
John I. Clancy	33	Oct. 2, 1897	Captain	1701 Hope st	Canmaker.
John I. Buck	31	Dec. 12, 1896	Hostler	1423 E. Hoffman st	Bricklayer.
Charles A. Edwards	28	June 1, 1898	Pipeman	1723 N. Montford ave	Brakeman.

No. 7 CHEMICAL ENGINE COMPANY—*Located corner Roland Avenue and Oliver Place.*

Name.	Age.	Date of Appointment.	Position.	Residence.	Former Occupation.
Ebenezer Pyle	34	May 26, 1896	Captain	607 Caldwell ave	Clerk.
John W. Schaffer	33	Feb. 14, 1893	Hostler	304 Elm ave	Moulder.
Matthew Carroll	42	April 8, 1896	Pipeman	N. E. cor. Merryman's ave. and Falls road.	Laborer.
Gustave A. Stolinski	26	Mch. 20, 1899	Pipeman	603 Caldwell ave	Laborer.

REPORT

—OF THE—

Superintendent of Fire-Alarm Telegraph.

1900.

REPORT.

To the Honorable Board of Fire Commissioners:

GENTLEMEN—Herewith I submit the annual report of the Telegraph Department for the year ending December 31st, 1900.

It is very gratifying to me to be enabled to report that the operations of this Department for the past twelve months have been most satisfactory, every alarm of fire, with but one exception, was correctly received and promptly transmitted; the "trouble-record" shows a very decided decrease in interruptions to our circuits, and that none were of such magnitude as to hamper the operations of the uniformed force, demonstrating the wisdom of the rebuilding of our pole lines begun two years ago.

POLE LINES.

The rebuilding of our pole lines under the agreements entered into with the Chesapeake and Potomac Telephone Company and the Maryland Telephone and Telegraph Company has been continued during the past year, materially aiding in the reduction of our circuit troubles and thereby increasing fire protection.

The following lines have been rebuilt by the Chesapeake and Potomac Telephone Company during 1900:

North avenue, from Harford avenue to Gay street.

Charles street, from Cross to Ostend streets.

Frederick avenue, from Garrison lane to Brunswick street.

Chester street, from Gay to Biddle streets.
Oliver street, from Harford avenue to Ensor street.
Ensor street, from Oliver street to North avenue.
Bolton street, from North avenue to Lennox street.
Gilmor street, from Lafayette avenue to Winchester street.
Fremont street, from Lafayette avenue to Riggs avenue.
Lafayette avenue, from Fremont street to Bloomingdale road.
Bloomingdale road, from Franklin street to North avenue.

The Maryland Telephone and Telegraph Company have rebuilt the following lines:

Foster alley, from Dolphin to McMechen street.
North avenue, from Pennsylvania avenue to Bloomingdale road.
North avenue, from Greenmount avenue to Harford road.
Leadenhall street, from Hamburg street to Ostend street.
Wolfe street, from Lombard street to Fairmount avenue.

FIRE BOXES.

All fire boxes have been tested and inspected during the year at regular intervals, and not one failed to register when properly pulled. Six new boxes were placed during the year, number and location as follows:

No. 446—Wise Bros., No. 132 West Fayette street.
No. 447—Posner Bros., Howard and Lexington streets.
No. 57—Ninth street and Clifton avenue.
No. 557—North aveuue and Second street.
No. 617—Covington and Heath streets.
No. 738—Harford and Hillen roads.

TELEPHONE SERVICE.

During the year our 'phone service has been considerably improved by providing all circuits with "transpositions," and the transferring of the instrument from the watch desk to the walls of the houses.

The introduction of "transpositions" in the circuits has very materially lessened the "noises" caused by induction, and the removal of the instruments from the "watch" desks is considered an improvement in appearances; the addition of new "hook-switches" will entirely prevent injury to the telephones by lightning and high potential currents.

TEST SWITCHES.

There has been placed in all the Company quarters, in connection with the independent circuit, a "Test-switch," which is so arranged that by its use, at times when the circuit is in trouble, the interruption can at once be located between any two houses, and that part of the circuit that is in trouble can be cut out, permitting the full use of the circuit.

CABLES.

No loss of cable was suffered by the Department during the year, proving that our system is now thoroughly "bonded;" all cables have been tested and properly hung in the manholes; all broken or missing hangers, etc., replaced.

During the month of November 300 feet of 60-conductor cable was drawn into the new conduits built by the Chesapeake and Potomac Telephone Company on Bank lane, between Calvert and St. Paul streets.

This was made necessary by the breaking down of the old conduits and their removal by order of the City Engineer.

RECOMMENDATIONS.

I again recommend that the department telephone service be changed from the present one circuit system, to one giving separate lines to each company; that the necessary operators required to manipulate the switch-board, should the above system be adopted, be added to the force, and that a map of the fire-alarm system, drawn in detail, be procured.

EMPLOYEES.

J. J. McCoy,	Operator.
C. C. Prince,	"
H. C. Martin,	"
W. E. Shuter,	"
W. F. Gettrust,	"
S. E. Smith,	"
J. N. Smith,	Chief Lineman.
Robert Kain,	Assistant "
T. W. Glass,	" "
J. W. Anderson,	" "
N. C. Wolfe,	" "

In conclusion I desire to record my thanks to the Board of Fire Commissioners for their kind consideration, to the Chief Engineer for his continued assistance, and to the employees of this Department for the faithful and intelligent manner in which they have discharged every duty.

Respectfully submitted,

FRANK G. BOYD,

Superintendent.

FIRE RECORD

1900

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
January.										
Monday 1	Silent.	12.25	.....	1012 Lafayette ave	Henry Merz.	Dwelling.	.....	.....	Three-story brick.	Loss, $173.80. Electric wire.
Monday 1	Silent.	9.45	.....	520 Biddle alley.	Alice Mason.	Dwelling.	.....	4	Two-story brick.	Loss, $89.20. Children playing with matches.
Monday 1	231	11.55	.....	512 N. Broadway.	Mrs. Mamie Deeds.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 12.23 p. m.; defective flue.
Monday 1	335	.....	1.15	1225 Madison ave.	Mrs. Jas. Wright	Dwelling.	.....	4	Three-story brick.	Loss, none. Recall 1.50 p. m.; burning chimney
Monday 1	189	.....	2.56	715 S. Robinson st	Carrie Baurenschub.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 3.05 p. m.; pot of soup boiling over.
Monday 1	Silent.	.....	4.51	3049 W. North ave	Dr. Frank Herne	Dwelling.	3 Chem.	.....	Three-story brick.	Loss, $350.00. Unknown.
Tuesday 2	Silent.	8.39	.....	1712 Eastern ave.	Geo. W. Batchler.	Eating saloon and dwelling	.....	3	Two-story and attic brick.	Loss, $169.72. Unknown.
Tuesday 2	Silent.	.....	12.34	S. E. cor. Broadway and Ashland ave.	City of Baltimore.	M. and F Primary School	9	.....	Two-story brick.	Loss, $——. Burning paper in hot-air flue.
Tuesday 2	276	.....	3.24	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 3.25 p. m.; accidental.

Tuesday	2	522	.....	4.10	310 Light st.	Frank Angelin.	Candy factory	2, 4, 15	1, 2	Two-story brick.	Loss, $450.00. Recall 4.55 p. m.; unknown.
Tuesday	2	Silent.	.....	7.15	128 S. Eden st.	Edwin M. Baker	Dwelling.	3	.....	Three-story brick.	Loss, $25.00. Heat from stove.
Tuesday	2	453	.....	8.01	1438 W. Lanvale st.	C. F. Ellender.	Dwelling.	.....	10	Three-story brick.	Loss, $123.50 Recall; lighted gas-jet ignited curtain.
Tuesday	2	38	.....	9.14	2009 Penna. ave.	Mrs. Lottie Carter.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 9.23 p. m.; thawing ventpipe.
Tuesday	2	541	.....	10.06	921 S. Eutaw st.	Harriet Vis.	Dwelling.	.....	.....	Two-story brick.	Loss, $15.00. Recall 10.14 p. m.; unknown.
Wedn'y	3	524	7.22	.....	16–30 E. Barre st.	George P. Sloan	Saw mill.	2, 15	6	Three-story brick.	Loss, none. Recall 8.31 a. m.; friction of belt.
Wedn'y	3	266	10.48	.....	1315 E. Monument st.	William Keller.	Dwelling.	.....	5	Two story and attic brick.	Loss, $64.85. Recall 11.01 a. m; children playing with matches.
Wedn'y	3	371	.....	1.29	N. W. cor. Mosher and Gilmor sts.	City of Baltimore.	Public school.	.....	10	Two-story brick.	Loss, $40.00. Recall 2.26 p. m.; defective flue.
Wedn'y	3	542	.....	3.35	N. W. cor. Eutaw and West sts.	William Knabe & Co.	Piano factory.	2, 10, 12, 15	6	Five-story brick.	Loss, $764.00. Recall 5.01 p. m.; heat from furnace.
Wedn'y	3	517	.....	3.38	Wicomico st. between Putnam and Monroe sts.	Burns & Russell.	Brick shed.	14	.....	One-story frame.	Loss, $25.00. Recall 4 56 p. m.; unknown.
Wedn'y	3	295	.....	6.31	.....	.....	.....	.....	.....	.....	Loss, $——— Recall 6.44 p. m.; false alarm.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Thurs'y 4	338	.....	12.53	311 N. Paca st.	Dr. Francis W. Hartley.	Dwelling.	1	2	Three-story brick.	Loss, $15.00. Recall 1.13. p. m.; thawing water pipe.
Thurs'y 4	62	.....	4.53	1021 James alley.	Rudolph Brown.	Dwelling.	2, 12	6	Two-story brick.	Loss, $5.00. Recall 5.45 p. m.; upsetting lighted candle
Thurs'y 4	157	.....	9.56	831 S. Bond st.	Chas. Williams.	Boarding house and dwelling.	.....	3	Three story brick.	Loss, $45.00. Recall 10.15 p. m.; carelessness with matches.
Thurs'y 4	Silent.	.....	11.56	2105 Eastern ave.	Paul Papka.	Club-house dwelling.	11	.....	Three-story brick.	Loss, $———. Canvas ignited by lighted candle.
Friday 5	Silent.	.....	5.15	1830 W. Lombard st.	Charles Volkert.	Dwelling.	14	.....	Two-story brick.	Loss, $———. Falling soot.
Friday 5	434	.....	5 50	45 S. Carey st.	John Regester.	Stable.	8, 10, 14	10	Two-story frame.	Loss, $85.00. Recall 6.49 p. m.; upsetting lantern.
Satur'y 6	323	6.35	.....	S. W. cor. Argyle ave. and Lanvale st.	Wm. H. Carman	Grocery store.	13	4	One-story frame.	Loss. $185.00. Recall 7.04 a. m.; unknown.
Satur'y 6	Silent.	.....	2.24	118-120 N. Paca st.	Charles D. Williams.	Laundry.	1	.....	Four-story brick.	Loss, $———. Overheated flue pipe.
Satur'y 6	324	.....	10.48	523 Oxford st.	George Saunders.	Dwelling.	.....	4	Three-story brick.	Loss, $35.00. Recall 11.05; explosion of a coal-oil lamp.

Sunday 7	423	.....	2.23	665 Raborg st.	Miss Cora Edwards.	Dwelling.	.....	2	Three story brick.	Loss, $54.00. Recall 2.54 p. m.; overheated stove.
Monday 8	337	.....	5.29	1214 Etting st.	David Woodyard	Dwelling.	7	4	Three-story brick.	Loss, $151.65. Recall 6.08 p. m.; children playing with matches.
Monday 8	317	.....	6.00	116 E. Centre st.	Edward Quirk.	Dwelling and saloon.	4	.....	Two-story brick.	Loss, $103.00. Recall 6.11 p. m.; explosion of a gasoline stove.
Tuesday 9	457	5.37	.....	1406 Riggs ave.	James Satchell.	Dwelling.	8, 13	10	Two-story brick.	Loss, $101.00. Recall 6.28 a. m.; unknown.
Tuesday 9	612	.....	7.31	10–12 Hughes st.	Charles B. Watkins.	Stable.	2	.....	Two-story brick.	Loss, $7.50. Recall 7.44 p. m.; unknown.
Tuesday 9	293	.....	7.39	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 7.49 p. m.; false alarm.
Tuesday 9	473	.....	10.35	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 10.41 p. m.; false alarm.
Wedn'y 10	35	12.57	.....	908 Madison ave.	Dr. Chas. Beck.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 1.10 a. m.; reflection from window.
Wedn'y 10	527	9.25	.....	127 S. Howard st.	Joyer Mnfg. Co.	Bed-spring factory.	15	.....	Four-story brick.	Loss, $129.90. Recall 9.30 a. m.; carpet ignited by oil heater.
Wedn'y 10	Silent.	10.00	.....	1812 N. Broadway.	Jacob S. Corns.	Dwelling.	.....	.....	Three-story brick.	Loss, $15.00. Rug ignited by burning brush.

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Wedn'y 10	238	.....	12.34	1516 Ashland ave.	John Strebs.	Tailor shop and dwelling.	9	5	Three-story brick.	Loss, $17.50. Recall 12.51 p. m.; explosion of gasoline stove.
Thurs'y 11	241	2.09	.....	524 N. Front st.	Thos. J. Roddy.	Saloon and dwelling.	4, 6	1	Two-story and attic brick.	Loss, $175.00. Recall 2.58 a. m.; defective flue.
Thurs'y 11	483	10.33	.....	504 Frederick ave.	Wm. Kesmodel.	Paint store and dwelling.	.....	8	Two-story brick.	Loss, $27.50. Recall 10.59 a. m.; turpentine igniting from stove.
Thurs'y 11	295	11.17	.....	2205 St. Paul st.	Joseph W. Bristor.	Dwelling.	18	11	Three-story brick.	Loss, $101.50. Recall 11.53 a. m.; carpet ignited by cigarette
Thurs'y 11	525	.....	4.01	213 Hanover st.	The L. Felber Co.	Dealer in fancy goods.	.....	.....	Three story brick.	Loss, $——. Recall 4.09 p. m.; electric wire.
Thurs'y 11	265	.....	5.09	1513 E. Federal st.	Charles A. Slocum.	Dwelling.	19	5	Two story brick.	Loss, $184.65. Recall 5.35 p. m.; dropping lighted match.
Thurs'y 11	623	.....	5.40	920 Hanover st.	Catherine Schmidt.	Saloon and dwelling.	.....	6	Three-story brick.	Loss, $267.50. Recall 5.56 p. m.; explosion of coal-oil stove.

Thurs'y 11	Silent.	.....	6.00	405 S. Broadway.	E. Langwood.	Shoe store and dwelling.	16	.....	Three-story brick.	Loss, none; electric wire.
Friday 12	479	.....	6.36	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 6.45 p. m.; false alarm.
Friday 12	Silent.	.. ..	7.30	404 S. Ann st.	F. L. Nelson.	Dwelling.	5	.....	Three-story brick.	Loss, $38.00; carelessness with matches.
Satur'y 13	313	1.46	.....	20 W. Franklin st.	Gilmor Meredith.	Stable	4, 7	4	Two-story brick.	Loss, none. Recall 2.13 a. m.; unknown.
Satur'y 13	382	2.03	.....	2201 Madison ave.	Salvator Borenza.	Confectionery stand.	13 Chem.	11	One-story frame..	Loss, $192.50. Recall 2.45 a. m.; unknown.
Satur'y 13	Special	.....	10.15	1445 Garrett ave.	Roman Selouski	Dwelling.	.....	.....	Two-story brick.	Loss, $25.00; overheated stove.
Satur'y 13	Silent.	2.00	.....	217 S. Wolfe st.	Albert Rammel.	Tenement.	.....	3	Three-story brick.	Loss, $55.00. Burning chimney.
Sunday 14	472	.....	8.08	1829 Lorman st.	Thomas Gassaway.	Dwelling.	13, 2 Chem	10	Two-story brick.	Loss, $215 00. Recall 9.03 p. m.; unknown.
Sunday 14	373	.....	8.42	1122 Patterson ave	Mrs. C. E. Willet	Dwelling.	.....	4	Three-story brick.	Loss, $44.50. Recall 8.48 p. m.; curtain ignited by lighted gas-jet.
Sunday 14	Silent.	.....	9.45	706 Harford ave.	Charles Deits.	Dwelling.	.....	.....	Three story brick.	Loss, $25.00. Carelessness with matches.
Sunday 14	415	.....	10.04	5–7 N. Paca st.	Meyer Fox.	Stable.	1, 7, 15	1, 2	Two-story brick.	Loss, $955.96. Recall 1.18 a. m.; unknown.

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Tuesd'y 16	543	11.34	.....	1221 Durst alley.	Maggie Roden.	Dwelling.	.....	.....	Two-story brick.	Loss, $40.00. Recall 11.40 a. m.; explosion of a gasoline stove.
Tuesd'y 16	Silent.	.....	6.00	2923 Walbrook ave	Joseph McCoy.	Dwelling.	14	.....	Three-story brick.	Loss, $79.60. Unknown.
Wedn'y 17	Silent.	10.56	.....	S. E. cor. Madison and Calvert sts.	Loyola College.	College.	....	.....	Four-story brick.	Loss, $ ——— . False alarm.
Thurs'y 18	36	3.50	.....	843 W. Franklin st	Mrs. C. Hayward	Dwelling.	8	4	Three-story brick.	Loss, $246.00. Recall 4.50 a. m.; unknown.
Thurs'y 18	.....	.....	.....	845 W. Franklin st	George Fisher.	Shed.	....	.....	One-story frame.	Unknown.
Thurs'y 18	512	.....	5.33	22 Hanover st.	Burrows & Co.	Warehouse.	1, 2, 3, 4, 5, 6, 7 8, 10, 12 14, 15, 17	1, 2, 5, 6, 11	Five-story iron.	Loss, $65,804.82 Recall 2.59 p. m., January 19; unknown.
Thurs'y 18	2222	.....	5.36	20 Hanover st.	Unoccupied.	Warehouse.	....	.....	Five-story iron.	Loss, $ ——— .
Thurs'y 18	532	.....	8.41	554 Lee st.	James McClennan.	Dwelling and store.	13	4	Three-story brick.	Loss, $377.32. Recall 9.04 p. m.; Lighted gas-jet ignited decorations
Thurs'y 18	Silent.	.....	7.30	S. E. cor. Druid Hill ave. and Retreat st.	United Electric R. R. Co.	Office.	2 Chem.	.....	Two-story brick.	Loss, $———. Electric wire.
Thurs'y 18	162	.....	8.43	1813 Lancaster st.	Frank Hartman.	Tenement.	....	.....	Three-story brick.	Loss, none. Recall 9.00 p. m.; overheated turpentine.

Friday 19	285	7.25	.....	N.W. cor. Gorsuch ave. and Polk st.	John L. Weems.	Engine and boiler-room.	5 Chem.	.....	One-story brick.	Loss, none. Recall 7.47 a. m.; fire ignited rubbish.
Friday 19	246	10.24	.....	825 Ensor St.	Louis W. Smith.	Dwelling.	4, 6, 9	5	Two-story and attic brick.	Loss, $450.00. Recall 11.05 a. m.; upsetting coal-oil stove.
Friday 19	Silent.	1.00	.....	22 Hanover st.	Burrows & Co.	Warehouse.	15	.....	Five-story iron.	Loss, $——. Rekindling of previous fire.
Friday 19	393	.....	7.41	818 First ave.	Mrs. Camelia Hynes.	Dwelling.	.....	.....	Two-story brick.	Loss, $15.00 Recall 7.54 p. m.; lounge ignited by a cigar.
Satur'y 20	365	.....	12.35	1008 Penna. ave.	W. T. Kearney.	Confectionery store and dwelling.	7	4	Three-story brick.	Loss, none. Recall 1 p. m.; unknown.
Satur'y 20	Silent.	.....	1.10	22 Hanover st.	Burrows & Co.	Warehouse.	15	.....	Five-story iron.	Loss, $——; rekindling of previous fire.
Sunday 21	189	12.35	.....	.....	.....	.....	.....	.....	.....	Loss, $——. Recall 12.40 A. M.; false alarm.
Sunday 21	Silent.	9.45	.....	1300 Stockton st.	Wm. H. Shorter.	Dwelling.	13	.....	Two-story brick.	Loss, $——; burning chimney.
Sunday 21	367	.....	12.35	701 Edmondson ave.	Mrs. Geo. A. Hahn.	Dwelling.	.....	4	Three-story brick.	Loss, $35.00. Recall 12.51 p. m.; upsetting coal oil stove,
Sunday 21	Silent.	6.49	.....	22 Hanover st.	Burrows & Co.	Warehouse.	15	.....	Five-story iron.	Loss, $——; rekindling of previous fire.
Mond'y 22	229	4.10	.....	1920 E. Fayette st.	Charles Hohman.	Feed store and dwelling.	.....	3	Three-story brick.	Loss, $40.00. Recall 4.30 a. m.; supposed incendiary.

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Mond'y 22	Silent.	12.20	.....	606 Sharp st.	Fredk. Dahlmer.	Bakery and dwelling.	2	.....	Two and one-half story brick.	Loss $10.00; unknown.
Mond'y 22	Silent.	.....	3.55	22 Hanover st.	Burrows & Co.	Warehouse.	15	2	Five story iron.	Loss, $——; rekindling of previous fire.
Mond'y 22	247	.....	7.45	562 N. Gay st.	Henry Homburg.	Shoe store and dwelling.	6	5	Two-story brick.	Loss, $205.00. Recall 8 p. m.; unknown.
Tues'y 23	347	12.40	.....	107 E. Chase st.	Mrs. John B. Bailey.	Dwelling.	4	4	Three-story brick.	Loss, $791.39. Recall 1.59 a. m; spontaneous combustion.
Tues'y 23	472	.....	1.58	1200 N. Fulton ave.	Charles Freeman.	Stable.	2 Chem. 8, 13, 14	10	Two-story brick.	Loss, $4,063.17. Recall 3.27 p. m.; known.
Wedn'y 24	68	6.35	.....	Cor. Henry and Winder sts.	B. & O. R. R. Co.	Machine shop.	.....	6	One-story brick.	Loss, none. Recall 6.56 a. m.; electric wire.
Wedn'y 24	Silent.	.....	8.10	210 Rock st.	Mrs. C. Bell.	Shed.	8	.....	One-story frame.	Loss, none; unknown.
Thurs'y 25	266	.....	1.19	615 N. Spring st.	Annie Hendrichs.	Dwelling.	9	.....	Two-story brick.	Loss, $60.90. Recall 1.33 p. m.; hot stove ignited clothing.
Thurs'y 25	517	.....	3.38	Cor. Ridgely and Bayard sts.	Peter Bopf.	Saloon and dwelling.	10	6	Two-story brick.	Loss, $131.40. Recall 3.51 p. m.; unknown.

Thurs'y 25	241	.....	7.20	524 N. Front st.	Thos. J. Roddy.	Saloon and dwelling.	.....	.....	Two-story and attic brick.	Loss, none. Recall 7.30 p. m.; purposely set on fire.
Thurs'y 25	321	.....	9.23	606 Bradley st.	Mary Brown.	Dwelling.	.....	.....	Two-story brick.	Loss, $15.00. Recall 9.34 p. m.; explosion of a coal-oil stove.
Thurs'y 25	217	.....	9.40	705 Courtney st.	Club (no name).	Club-house.	.....	.....	Two-story brick.	Loss, $30.00. Recall 9.52 p. m.; upsetting coal-oil stove.
Friday 26	393	.....	12.15	3250 Cedar ave.	Samuel Disney.	Dwelling.	.....	9	Three-story brick.	Loss, $125.02. Recall 12.38 p. m.; Heat from register ignited clothing.
Friday 26	23	.....	5.37	313 N. Eden st.	Robert Lowman	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 5.53 p. m.; explosion of a gasoline stove.
Friday 26	Silent.	.....	4.30	6 Gwynn st.	W. D. Seamon.	Dwelling.	.....	8	Two-story frame.	Loss, $25.00. Defective flue.
Friday 26	Silent.	.....	6.14	123 S. Howard st.	Wm. A. Kastendike.	Iron foundry.	15	.....	Two-story brick and frame.	Loss, $11.25. Sparks from cupola.
Friday 26	364	.....	9 37	554 Moore alley.	Edward Dorsey.	Dwelling.	.....	4	Two-story brick.	Loss, none. Recall 9.53 p. m.; defective flue.
Friday 26	354	.....	10 31	159 W. Lanvale st.	Mrs. Ottman Mergenthaler.	Dwelling.	.....	11	Three-story brick.	Loss, $338.74. Recall 10.36 p. m.; unknown.
Satur'y 27	266	11.25	.....	1232 Edward st.	Amelia Blake.	Dwelling.	9	.....	Two-story brick.	Loss, $10.00. Recall 11.35 a. m.; overheated stove.

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Satur'y 27	423	.....	8.17	658 Raborg st.	Miss Mollie Young.	Dwelling.	1	2	Three-story brick.	Loss, $269.25. Recall 8.47 p. m.; gas-jet ignited curtain.
Sunday 28	51	1.42	.....	21 E. Lombard st.	McCormick & Co.	Spice-house.	2, 3, 4, 15, 16	1, 2	Four-story brick.	Loss, $13,015.30. Recall 5.59 a. m.; unknown.
Sunday 28	Silent.	10.05	.....	509 N. Exeter st.	Andrew Jones.	Dwelling.	6	.....	Three-story brick.	Loss, $15.00. Explosion of a coal-oil stove.
Sunday 28	381	.....	2.20	1414 Parrish alley.	John Scott.	Dwelling.	.....	10	Two-story brick.	Loss, $15.00. Recall 2.42 p. m.; defective flue.
Mond'y 29	523	12.12	.....	S. E. cor. Eutaw and Camden sts.	.....	Telegraph pole.	15	.....	.....	Loss, none. Recall 12.23 a. m.; electric wire.
Mond'y 29	62	12.42	.....	35 Weyler st.	August Meyer.	Shoe and clothing store.	2, 12, 15	6	Three-story brick.	Loss, $2,373.60. Recall 1.58 a. m.; explosion of a coal-oil stove.
Mond'y 29	Silent.	8.35	.....	2110 Eastern ave.	Mrs. Mary McDonough.	Saloon and dwelling.	11	.....	Three-story brick.	Loss, $135.00. Defective flue.
Mond'y 29	Silent.	.....	12.07	S. E. cor. Chase and McDonough sts.	City of Baltimore.	English and German Primary School	9	.....	Two-story brick.	Loss, $15.00. Faulty construction of building.
Mond'y 29	25	.....	3.05	1008 Forrest st.	Patrick Giblein.	Dwelling.	6	5	Three-story brick.	Loss, $95.50. Recall 3.34 p. M.; thawing waste pipe.

Mond'y 29	247	.....	5.58	607 N. Gay st.	Charles Pretzfelder.	Shoe store and dwelling	6	.....	Three-story brick.	Loss, $120.00. Recall 6.04 p. m.; curtain ignited by lighted gas jet.
Mond'y 29	257	.....	6.40	1416 Harford ave.	Charles E. Harker.	Stable.	18, 19	5	One and a-half story frame.	Loss, $125.00. Recall 7.32 p. m.; unknown.
Mond'y 29	257	.....	9.27	1462 Harford ave.	Frederick Doenger.	Outhouse.	19	5	Two-story frame.	Loss, $180.00. Recall 9.57 p. m,; unknown.
Mond'y 29	Silent.	.....	10.45	1462 Harford ave.	Frederick Doenger.	Outhouse.	.....	5	Two-story frame.	Loss, none; rekindling of previous fire.
Mond'y 29	Silent.	.....	9.15	1200 N. Charles st.	Mrs. Degrasse Fowler.	Dwelling.	.....	4	Three-story brick.	Loss, none; burning chimney.
Tuesd'y 30	54	1.13	.....	641 S. Howard st.	Samuel D. Chase	Undertaker and dwelling	2, 12, 15	6	.....	Loss, $491.21. Recall 2.30 a. m.; unknown.
Tuesd'y 30	457	.....	8.24	1319 Mosher st.	Mrs. Jeannette Fox.	Dwelling.	.....	10	Two-story brick.	Loss, $10.00. Recall 8.35 p. m.; upsetting coal oil lamp.
Wedn'y 31	51	5.49	.....	Pier No. 2 Light-street wharf.	Weems Steamboat Company	Office and wharf.	2, 3, 4, 15	1, 2	Three-story frame	Loss, $296.80. Recall 7.04 a. m.; unknown.
Wedn'y 31	41	8.24	.....	17 E. Fayette st.	E. C. Reed.	Lunch-room.	4	1	Three-story and attic brick.	Loss, $58.85. Recall 8.35 a. m.; coal-oil stove taking fire.
Wedn'y 31	Silent.	11.17	.....	107 Centre-Market space.	John Lynch.	Saloon and dwelling.	.....	1	Three-story brick.	Loss, $42.50; leaking gasoline stove.
Wedn'y 31	535	.....	1.53	1346 Cleveland st.	Oliver Thomas.	Dwelling.	10	.....	Two-story brick.	Loss, $15.00. Recall 2.11 p. m.; overheated stove.

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Wedn'y 31	382	.....	10.15	2247 Eutaw place.	J. N. Bowen.	Dwelling.	11	.....	Three-story brick.	Loss, $161.00. Recall 10.40 p. m.; careless handling of matches.
February.										
Thurs'y 1	Silent.	7.55	.....	N. E. cor. Wilson and Barclay st.	William Leonhardt.	Dwelling.	4 Chem.	.....	Two-story and attic frame.	Loss, $29.50. Defective flue.
Thurs'y 1	546	7.59	.....	227 Hamburg st.	John E. Robinson.	Dwelling.	.....	6	Two-story brick.	Loss, $42.50. Recall 8.06 a. m.; overheated stove.
Thurs'y 1	383	8.15	.....	1930 McCulloh st.	Sam'l Golfwein.	Dwelling.	13	10	Three-story brick.	Loss, $70.00. Recall 8.37 a. m.; clothing ignited by heat of stove.
Thurs'y 1	545	10.14	.....	1144 Hamburg st.	Catherine Limberg.	Shed.	10	.....	One-story frame.	Loss, $21.90. Recall 10.34 a. m.; unknown.
Thurs'y 1	233	11.45	.....	S. W. cor. Loney lane and Ashland ave.	John Shoenlford.	Dwelling.	9	.....	Two-story brick.	Loss, $18.00. Recall 12.08 p. m.; sparks from chimney.
Thurs'y 1	252	.....	12.42	1217 Greenmount ave.	Henry Honeck.	Dwelling.	.....	5	Three-story brick.	Loss, $10.00. Recall 12.50 p. m.; couch ignited by lighted match.
Thurs'y 1	Silent.	.....	1.45	713 Park ave.	Wm. B. Hurst.	Dwelling.	7	.....	Three-story brick.	Loss, $41.00; defective flue.

Thurs'y	1	Special	.....	6.10	1225 Hanover st.	Noah H. Carver.	Dwelling.	.....	.....	Two-story brick.	Loss, $6.75; portieres ignited by lighted match.
Thurs'y	1	268	.....	7.02	1426 E. Lanvale st.	John E. Sturgeon.	Dwelling.	19	.....	Two-story brick.	Loss, $35.00. Recall 7.15 p. m.; curtain ignited by lighted gas jet.
Thurs'y	1	Silent.	.....	9.15	39 Leemont st.	William Gritzen.	Dwelling.	1 Chem.	.....	Two-story brick.	Loss, none; burning chimney.
Friday	2	Silent.	.....	3.00	1938 Bank st.	Frederick W. Kroeber.	Grocery and feed store.	.....	3	Three-story brick.	Loss, $44.50; unknown.
Friday	2	393	.....	10.36	3222 Cedar ave.	George W. McFadden.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 10.45 p. m.; defective flue.
Satur'y	3	Silent.	1.50	.....	340 Rose st.	Frank Nevins.	Dwelling.	.....	4	Two-story brick.	Loss, $12.50; badly constructed hearth.
Satur'y	3	Special	7.30	.....	1613 N. Wolfe st.	Joseph Neilson.	Dwelling.	.....	.....	Two-story brick.	Loss, none: thawing water pipe.
Satur'y	3	157	11.14	.....	1611 Lancaster st.	Jacob Tuszenski	Tenement.	.....	3	Three-story brick.	Loss, $6.50. Recall 12.09 p. m.; burning chimney.
Satur'y	3	Silent.	11.23	.....	1603 Aliceanna st.	Caroline Fisher.	Dwelling.	9, 11	.....	Three-story brick.	Loss, none; painters' blow-pot.
Satur'y	3	128	11.52	.....	116 Marsh Market space.	Salvador Faba.	Dwelling.	.....	1	Four-story brick.	Loss, none. Recall 12 m.; overheated stove.
Satur'y	3	Silent.	.....	2.10	1816 W. Saratoga st.	V. S. Robinson.	Dwelling.	14	.....	Two-story brick.	Loss, none; burning chimney.
Satur'y	3	445	.....	2.58	769 W. Saratoga st.	J. C. Harris.	Dwelling.	.....	4	Three-story brick.	Loss, none. Recall 3.19 p. M.; defective flue.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Satur'y 3	231	.....	5.55	420 N. Broadway.	Ephriam Macht.	Dwelling.	3, 6, 9	3	Three-story brick.	Loss, $1,614.77. Recall 6.59 p. m.; couch ignited by lighted match.
Satur'y 3	213	.....	6.13	215 N. Front st.	Wm. D. Westlake.	Boarding-house.	....	1	Three-story brick.	Loss, none. Recall 6.35 p. m.; burning chimney.
Sunday 4	635	12.54	.....	1448 Hull st.	John Holthouse.	Stable.	17	6	One-story frame.	Loss, $40.00. Recall 1.26 a. m.; unknown.
Sunday 4	155	11.15	.....	245 S. Caroline st.	A. Siscosky.	Tenement.	.....	3	Two-story brick.	Loss, none. Recall 11.29 a. m.; burning soot.
Sunday 4	522	.....	3.01	Pier No. 7 Light-street wharf.	Chester River Steamboat Co.	Wharf and office.	2	1	.....	Loss, $217.68. Recall 3.30 p. m.; spontaneous combustion.
Mond'y 5	231	3.40	.....	418 N. Caroline st.	Morris Homberger.	Dwelling.	3, 6, 9	5	Two-story and attic brick.	Loss, $794.20. Recall 4.42 a. m.; unknown.
Mond'y 5	Silent.	.....	12.28	807 Shuter st.	Benjamin Gibson.	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $15.00. Unknown.
Mond'y 5	157	.....	1.34	823 S. Dallas st.	Joseph Urbanski	Dwelling.	.....	3	Two-story and attic brick.	Loss, $48.50. Recall 1.47 p. m.; sparks from stovepipe.

Mond'y	5	373	.....	4.57	1311 N. Carey st.	Charles Chambers.	Dwelling.	13	10	Three-story brick.	Loss, $37.75. Recall 5.13 p. m.; gasoline ignited by lighted match.
Tuesd'y	6	472	.....	1.52	1560 N. Fulton ave	Unoccupied.	Dwelling.	.....	10	Two-story brick.	Loss, $15.00. Recall 2.23 p. m.; Overheated salamander.
Tuesd'y	6	161	.....	8.59	521 S. Wolfe st.	John Bogo.	Tenement.	.....	.....	Two-story brick.	Loss, $120.00. Recall 9.41 p. m.; sparks from stovepipe.
Tuesd'y	6	Silent.	.....	2.00	1002 Granby st.	William Apple.	Dwelling.	3	.....	Two-story brick.	Loss, $125.00. Unknown.
Wedn'y	7	366	.....	5.31	1633 Division st.	Charles B. Cannoles.	Dwelling.	13	.....	Three-story brick.	Loss, $75.75. Recall 5.44 p. m.; unknown.
Wedn'y	7	521	.....	7.48	306 S. Charles st.	Maryl'd Grange Agency.	Dealer in produce.	2, 4, 15	1	Four-story brick.	Loss, $330.08. Recall 8.46 p. m.; unknown.
Wedn'y	7	373	.....	11.47	S. W. cor. Carrollton ave. and Winchester st.	M. Ament & Co.	Feed and grist mill.	7, 8, 13	10	Two-story brick.	Loss, $3,320.50. Recall 2.19 a. m.; unknown.
Thurs'y	8	239	2.59	.....	3121 E. Fayette st.	Vincenzo Russe.	Grocery store and dwelling	5, 9	3	Two-story brick.	Loss, $90.00. Recall 4.11 a. m.; sparks from stovepipe.
Thurs'y	8	393	11.10	.....	3432 Cedar ave.	James Cover.	Dwelling.	18,7 Chem	.....	Three-story brick.	Loss, $12.00. Recall 11.26 a. m.; misplaced stovepipe.
Thurs'y	8	337	.....	6.45	1136 Druid Hill ave.	Alfred Bailey.	Dwelling.	.....	.....	Three-story brick.	Loss, $10.00. Recall 6.58 p. m.; upsetting coal-oil stove.

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Thurs'y 8	261	.....	7.33	1206 N. Eden st.	William Keagle.	Dwelling.	.....	5	Three-story brick.	Loss, $110.00. Recall 7.59 p. m.; clothing ignited by lighted candle.
Thurs'y 8	425	.....	9.50	920 Booth st.	Mary Manly.	Dwelling.	8	.....	Two-story brick.	Loss, $18.50. Recall 10.03 p. m.; explosion of a coal-oil lamp.
Friday 9	221	.....	6.09	302-304 N. Holliday st.	James Hitchens.	Dwelling, fur. storage and stable.	3, 4, 6, 9	1, 2	Three-story brick.	Loss, $3,010.20. Recall 10.39 p. m.; unknown.
Friday 9	Silent.	.....	9.05	515 Jasper st.	T. Ball.	Dwelling.	7	.....	Three-story brick.	Loss, $40.00. Overheated stove.
Friday 9	61	.....	9.50	115 Armistead lane	Unoccupied.	Dwelling.	2, 6, 15	6	Two-story brick.	Loss, $205.39. Recall 10.47 p. m.; children playing with matches.
Satur'y 10	155	3.56	.....	2 Cook st.	Unoccupied.	Dwelling.	3, 5	3	Two-story brick.	Loss, $74.00. Recall 5.05 a. m.; unknown.
Satur'y 10	634	10.33	.....	1132 E. Fort ave.	Adolph Weiland	Dwelling.	12, 17	6	Two-story brick.	Loss, $40.00. Recall 11.05 a. m.; overheated stovepipe.
Satur'y 10	Silent.	11.39	.....	131 N. Gay st.	Henr'tta Brewer	Lodging-house.	9	....	Two story brick.	Loss, none. Unknown.

Satur'y 10	288	.....	3.09	2407 Barclay st.	Wm. Brightman	Dwelling.	.....	11	Three-story brick.	Loss, $17.20. Recall 3.20 p. m.; carelessness with a candle.
Sunday 11	Silent.	.....	7.11	6 S. Calvert st.	Richard D. Fisher.	Banking-house and print'g office	.....	.....	Six-story brick.	False alarm.
Sunday 11	465	.....	6.25	1928 Ramsay st.	Fred. Sauerback	Saloon and dwelling.	8, 14	10	Two-story brick.	Loss, $572.45. Recall 7.27 p. m.; filling a hot gasoline stove.
Sunday 11	224	2.16	.....	611 Ensor st.	Mary Vanness.	Hotel, theatre and saloon.	6	1	Three-story brick.	Loss, $54.40. Recall 2.45 a. m.; unknown.
Sunday 11	734	.....	7.06	954 Chapel st.	James Choate.	Dwelling.	9	.....	Two-story brick.	Loss, $50.00. Recall 7.14 p. m.; unknown.
Mond'y 12	722	.....	7.42	205 W. Huntingdon ave.	Mrs. Kate Small	Dwelling.	.....	11	Three-story brick.	Loss, $20.25. Recall 7.52 p. m.; unknown.
Mond'y 12	Special	.....	7.55	606 S. Ann st.	Annie Bernalowiez.	Dwelling.	.....	.....	Two and one-half story brick.	Loss, $15.00. Explosion of a coal-oil lamp.
Mond'y 12	Silent.	.....	6.18	1006 Hillen st.	Edward Hyde.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $15.00, Overturning of a coal-oil lamp.
Mond'y 12	Special	.....	9.45	1017 E. Hoffman st	Louis Marshall.	Dwelling.	.....	.....	Two-story brick.	Loss, $4.00. Lighted match ignited drapery.
Tuesd'y 13	Silent.	.....	5.13	1007 E. Eager st.	George E. Crawford.	Dwelling.	.....	... .	Three-story brick.	Loss, none. House filled with smoke.
Tuesd'y 13	521	.....	5.52	14 E. Pratt st.	C. L. Meung & Co.	Commission house.	2, 4, 15	1, 2	Two-story brick.	Loss, $322.55. Recall 6.28 a. m.; unknown.

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Wedn'y 14	187	5.39	.....	2511 Canton ave.	Martin Haaf.	Tenement.	.....	3	Three-story brick.	Loss, none. Recall 5.50 p. m.; explosion of a coal-oil lamp.
Wedn'y 14	493	10.31	.....	820 Calverton ave.	Wm. Gehringer.	Dwelling.	14, 20 2, 3 Chem.	8	One-story frame.	Loss, $465.00. Recall 12.11 p. m.; treading on match.
Wedn'y 14	155	.....	7.14	1500 Gough st.	Albert Grochmal.	Shoe store and dwelling.	3	.....	Two-story brick.	Loss, $117.60. Recall 7.34 p. m.; unknown.
Wedn'y 14	Silent.	.....	9.20	918 Parrish alley.	Thomas H. Hill.	Dwelling.	.....	10	Two-story brick.	Loss, $25.00; unknown.
Wedn'y 14	Special	.....	9.50	831 Mulberry st.	C. Coligny.	Grocery store and dwelling.	.....	.....	Three-story brick.	Loss, $27.50; woodwork ignited by gas jet.
Wedn'y 14	Silent.	7.38	.....	313 W. Lexington st.	Bernheimer Bros	Department store.	1	.....	Three-story brick.	Loss, $225.00; electric apparatus igniting drapery.
Wedn'y 14	Silent.	9.11	.....	401 N. Charles st.	Mrs. Frank T. Howard.	Dwelling.	4	.....	Three-story and attic brick.	Loss, $38.90; foul chimney.
Thurs'y 15	Silent.	11.40	.....	403 N. Eutaw st.	Gish & Meixner.	Store and dwelling.	7	.....	Three-story brick.	Loss, 63.40; explosion of a gasoline tank.
Friday 16	542	3.32	.....	Russell, near West st.	Adolph Pheil & Co.	Cooper shop.	2, 10	6	Two-story brick.	Loss, $115.00. Recall 4.41 a. m.; unknown.

Friday	16	151	.....	6.35	107 S. Caroline st.	Josephine Chapman.	Tenement.	3	3	Three-story brick.	Loss, $87.50. Recall 6.37 p. m.; upsetting coal-oil heater.
Friday	16	Silent.	10.10	.....	1535 Aisquith st.	Frank Hughes.	Dwelling.	.....	5	Three-story brick.	Loss, none; burning chimney.
Friday	16	38	.....	6.35	1540 Woodyear st.	Carrie Diekson.	Dwelling.	.....	.....	Two-story brick.	Loss, $43.75. Recall 6.55 p. m.; unknown.
Friday	16	512	.....	6.36	3 W. Lombard st.	Herman Kraft.	Restaurant & dwelling.	.....	1	Three-story brick.	Loss, $171.36. Recall 6.46 p. m.; defective flue.
Satur'y	17	247	2.38	.....	567 N. Gay st.	Jos. F. Lucas.	Millinery store and dwelling.	6, 9	5	Three-story brick.	Loss, $1,043.02. Recall 3.12 a. m.; overheated stove.
Satur'y	17	286	10.57	.....	103 Montebello ave.	Henry Leonard.	Dwelling.	.....	.....	Two-story and attic frame.	Loss, $10.00. Recall 11.11 a. m.; upsetting coal-oil lamp.
Satur'y	17	Special	.....	12.30	E. side of Harford road, near Weber's Park.	John G. Mann.	Shed.	.....	.....	One-story frame.	Loss, $40.00; explosion of coal-oil lamp.
Satur'y	17	Silent.	.....	6.15	1006 York road.	George Myerly.	Confectionery.	4 Chem.	.....	One-story brick	Loss, $30.00; unknown.
Satur'y	17	Silent.	.....	1.07	1524 W. Lanvale st	Saml L. Ziegler.	Dwelling.	.....	10	Three-story brick.	Loss, none; burning chimney.
Sunday	18	12	.....	8.40	S. E. cor. Holliday and Lexington sts.	Michael Ganzhorn.	Hotel.	.....	1	Four-story brick.	Loss, $566.86. Recall 9.53 p. m.; defective electric wire.
Sunday	18	Silent.	11.55	.....	900 E. Lombard st.	Wing Sing.	Laundry.	3	.....	Three-story brick.	Loss, $30.00; defective stove-pipe.
Sunday	18	Silent.	10.55	.....	1111 Goodman al.	John Pulley.	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $15.00; defective flue.

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Mond'y 19	423	2.54	.....	659 W. Baltimore st.	John Lebowitch	Store and dwelling.	....	2	Three-story brick.	Loss, $91.00. Recall 3.19 p. m.; defective flue.
Mond'y 19	424	9.30	.....	789 W. Saratoga st.	Frederick Smith	Dwelling.	....	.....	Two and half-story brick.	Loss, $37.50. Recall 9.45 a. m.; explosion of a gasoline stove.
Mond'y 19	419	.....	2.03	228-230 N. Eutaw st.	L. Kraus & Son.	Furrier.	.....	.....	Three-story brick.	Loss, none. Recall 2.10 p. m.; defective insulation.
Mond'y 19	51	.....	7.35	120 Hollingsworth st.	J. J. Strohmeyer	Oyster com. house.	3, 4, 15	1, 2	Three-story brick.	Loss, $589.76. Recall 9.27 p. m.; hot ashes in box.
Mond'y 19	148	.....	7.47	422 S. Eden st.	Wm. H. Simpson.	Dwelling.	.....	3	Two and half-story brick.	Loss, $45.00. Recall 8.07 p. m.; lighted match thrown in cupboard.
Mond'y 19	Silent.	.....	9.28	511 N. Eutaw st.	Miss Schwartzberg.	Store and dwelling.	7	.....	Three-story brick.	Loss, $10.00; unknown.
Tuesd'y 20	621	4.09	.....	S. E. cor. Cross and Belt sts.	Delaware Cons. Co.	Tool shed.	.....	6	One-story frame.	Loss, $100.00. Recall 5.03 a. m.; unknown.
Tuesd'y 20	Silent.	.....	4.00	Broadway and Canton ave.	City of Baltimore.	Broadway Institute.	.....	3	Two-story brick.	Loss, $30.00; thawing water pipe.
Wedn'y 21	Silent.	.....	11.40	1744 W. North ave.	Dr. Charles T. Jones.	Dwelling.	.....	.....	Three-story brick.	Loss, $10.00; smoke from furnace.

Thurs'y 22	521	1.20	.....	N. E.cor. Hanover and Wells sts.	L. Guggenheimer and others.	Grocery store and dwelling.	.....	.....	.....	Loss, $1,424.09. Recall 2.10 a. m.; electric wire.
Thurs'y 22	387	.....	6.49	2119 N. Fulton ave	Joshua Farrell.	Dwelling.	.....	10	Two-story brick.	Loss, $15.00. Recall 7.02 p. m.; explosion of a gasoline stove.
Thurs'y 22	Special	.....	3.20	1110 S. Charles st.	Mrs. Mary Packer.	Dwelling.	.....	.....	Two-story brick.	Loss, $15,00; overturning of a coal-oil heater.
Friday 23	31	.....	3.57	345 Davis st.	Sadie Florentine.	Furnished room house	4	1	Three-story brick.	Loss, $59.80. Recall 4.09 p. m.; unknown.
Satur'y 24	215	12.20	.....	1200 Jackson st.	David Rosenfield.	Dwelling.	3, 6	1	Three-story brick.	Loss, $303.59. Recall 12.56 a. m.; unknown.
Satur'y 24	371	.....	12.20	1013 N. Fulton ave	Thomas Chollones.	Dwelling.	13	10	Three-story brick.	Loss, $255.00. Recall 1.04 p. m.; unknown.
Satur'y 24	28	.....	12.31	1801 N. Patterson Park ave.	Mary Gilbert.	Dwelling.	6 Chem.	5	Two-story brick.	Loss, $87.00. Recall 12.40 p. m.; unknown,
Satur'y 24	164	.....	11.59	1926 Bank st.	John Schaman.	Dwelling.	.....	3	Three-story brick.	Loss, $45.00. Recall 12.12 a. m.; upsetting coal-oil lamp.
Satur'y 24	Silent.	.....	6.00	1429 W. Biddle st.	W. T. Hendrickson.	Notion store and dwelling.	14	.....	Three-story brick.	Loss, none; dropping lighted match.
Sunday 25	372	.....	12.21	1324 N. Stricker st.	Mrs. Irene Herring.	Dwelling.	....	.....	Three-story brick.	Loss, $45.00. Recall 12.30; upsetting coal-oil stove.
Sunday 25	173	.....	6.43	620 S. Port st.	Frank Schaeck.	Dwelling.	11	3	Two-story brick.	Loss,$125.00. Recall 7.06 p.m.; overheated coal-oil stove.

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Mond'y 26	232	11.34	.....	14 S. Bond st.	Daniel Bond.	Dwelling.	3	3	Three-story brick.	Loss, $90.00. Recall 11.52 a. m.; unknown.
Mond'y 26	734	.....	7.34	1125 N. Port st.	Andrew Jefferson.	Dwelling.	9, 6 Chem.	5	Three-story brick.	Loss, $60.00. Recall 8.00 p. m.; unknown.
Mond'y 26	Silent.	7.10	.....	618 N. Eutaw st.	Thomas Brouch.	Jewelry store and dwelling.	7	.....	Three-story brick.	Loss, $50.00; overheated coal-oil stove.
Mond'y 26	Silent.	.....	4.20	448 W. Biddle st.	Fayette Green.	Dwelling.	.....	4	Three-story brick.	Loss, none; children playing with matches.
Tuesd'y 27	Special	1.10	.....	816 W. Franklin st.	David Nedwell.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $90.00; explosion of a coal-oil stove.
Tuesd'y 27	Silent.	10.10	.....	424 E. Fort ave.	Tracy Seal.	Dwelling.	12	.....	Two-story brick.	Loss, none; thawing water pipe.
Tuesd'y 27	353	.....	1.19	1630 John st.	Unoccupied.	Dwelling.	.....	11	Three-story and attic.	Loss, $74.85. Recall 1.46 p. m.; supposed to be set on fire by boys.
Tuesd'y 27	28	.....	10.20	1801 Patterson Park ave.	Edith Gilbert.	Dwelling.	19, 6Chem	.....	Two-story brick.	Loss, $10.00 Recall 10.35 p. m.; unknown.
Tuesd'y 27	Silent.	.....	3.32	224 W. Fayette st.	Ambrose Perry.	Store and dwelling.	.....	.....	Four-story brick.	Lone, none; overheated furnace.

Wedn'y 28	441	5.00	.....	8 E. Baltimore st.	W. J. C. Dulany Co.	Book store.	4	1, 2	Five-story brick.	Loss, $2,031.40. Recall 6.36 p. m.; unknown.
Wedn'y 28	Silent.	8.48	.....	411 E. Lombard st.	Ella Myels.	Dwelling.	.....	.....	Three-story brick.	Loss, $15.00; pan of grease taking fire.
Wedn'y 28	353	.....	2.27	1628 John st.	Miss Laura Whelan.	Dwelling.	18	4	Three-story brick and mansard.	Loss, $25.00. Recall 2.52 p. m.; unknown.
Wedn'y 28	28	.....	3.30	1801 Patterson Pk. ave.	Edith Gilbert.	Dwelling.	.....	.....	Two-story brick.	Loss, $15.00. Recall 3.30 p. m.; supposed incendiary.
Wedn'y 28	319	.....	3.32	803 St. Paul st.	George Cator.	Dwelling.	.....	4	Three-story brick.	Loss, none. Recall 3.51 p. m.; burning chimney.
Wedn'y 28	Silent.	.....	6.56	1131 McElderry st.	Jacob Zazoo.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $40.00. Unknown.
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Satur'y 3	153	9.03	.....	414 S. Dallas st.	John A. Ruppelt	Dwelling.	3, 5, 9, 11	3	Two-story and attic brick.	Loss, $131.18. Recall 10.03 a. m.; sparks from stove.
Satur'y 3	218	.....	3.08	135 N. Front st.	Jacob Sobel.	Dwelling.	.....	1	Three-story brick.	Loss, $18.00. Recall 3.15 p.m.; carelessness with matches.
Satur'y 3	54	.....	7.18	633 S. Howard st.	John W. Stafford	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 7.28 p. m.; explosion of gasoline stove.
Satur'y 3	Special	.....	11.32	728 S. Charles st.	Moses Schaprio.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $42.00. No cause assigned.
Sunday 4	285	12.27	.....	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 12.34 a. m.; false alarm.

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Sunday 4	337	.....	7.54	525 Hoffman st.	Edward G. Young.	Dwelling.	7	4	Three-story brick.	Loss, $15.00. Recall 8.12 p. m.; upsetting lighted candle
Sunday 4	Silent.	.....	10.00	417 S. Broadway.	R. Jones & Bro.	Grocery store and dwelling	.....	3	Three-story brick.	Loss, $51.88. Leaking coal-oil lamp.
Monday 5	62	.....	1.54	1010 E. Hamburg st.	Annie Wagner.	Dwelling.	.....	.....	Two and a-half story brick.	Loss, $110.00. Recall 2 02 p. m.; gasoline can ignited by a lighted cigar.
Monday 5	155	.....	6.10	1408 Gough st.	Sewell Gorfine.	Tenement.	.....	.....	Three-story brick.	Loss, $10.00. Recall 6.20 p. m.; children playing with matches.
Monday 6	146	.....	7.03	221 President st.	William Best.	Dwelling.	3	1	Three-story brick.	Loss, $40.00. Recall 7.24 p. m.; Leaking gasoline stove.
Monday 5	Silent.	.....	8.02	229½ Chestnut st.	Unoccupied.	Mill.	.....	.....	Three-story brick.	Loss, none. Unknown.
Monday 5	Silent.	.....	6.48	776 Columbia ave	Wm. F. Gauer.	China store and dwelling	10	.....	Two-story brick.	Loss, $18.00. Coal-oil lamp hanging too close to ceiling
Monday 5	Silent.	.....	2.20	4 E. Biddle st.	E. Marion Smith	Dwelling.	.....	4	Three-story brick.	Loss, none. Burning chimney.
Mond'y 5	Silent.	.....	2.23	S. E. cor. Charles and Saratoga sts	St. Paul's Church.	Church.	.....	.....	One story brick.	Loss, none; defective electric wire.

Tues'y	6	242	.....	4.47	561 E. Monument st.	Selig Seideman & Co.	Picture-frame factory.	4, 6, 9	5	Three-story brick.	Loss, $1,453.00. Recall 6.13 p. m.; explosion of a can of coal oil.
Tues'y	6	18	.....	4.54	2806 Elliott st.	Henry Woods.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 5.32 p. m.; child playing with matches.
Tues'y	6	213	.....	7.05	301 N. Gay st.	Samuel Pearson and others.	Shirt factory.	3, 4, 6	1	Three-story brick.	Loss, $324.01. Recall 7.28 p. m.; unknown.
Tues'y	6	Silent.	.....	8.20	616 Campbell st.	Elizabeth Burton.	Dwelling.	10	.....	Two-story brick.	Loss, $98.75; unknown.
Tues'y	6	439	.....	10.15	1027 Boyce st.	James Burwick.	Dwelling.	10	2	Two-story brick.	Loss, $138.50. Recall 10.44 p. m.; explosion of a coal-oil lamp.
Wedn'y	7	Special	11.30	.....	702 S. Charles st.	Wm. H. Forsyth	Dwelling.	.....	.....	Three-story brick.	Loss, $15.00; sparks from cook stove.
Wedn'y	7	162	.....	5.34	1817 Lancaster st.	Peter Schmidt.	Dwelling.	.....	3	Three-story brick.	Loss, $55.00. Recall 5.57 p. m.; defective flue.
Wedn'y	7	456	.....	5.36	1116 W. Lexington st.	Mary Ledley.	Dwelling.	8	10	Three-story brick	Loss, $222.65. Recall 6.12 p. m.; upsetting can of coal oil.
Thurs'y	8	23	.....	3.57	1316 Orleans st.	William Coleman.	Dwelling.	9	3	Two story and attic brick.	Loss, $80.00. Recall 4.15 p. m.; unknown.
Thurs'y	8	545	.....	4.56	1114 Scott st.	Harry A. Quandt	Dwelling.	10	.....	Two-story brick.	Loss, $15.00. Recall 5.07 p. m.; careless handling of matches.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Friday 9	312	9.15	.....	223 Park ave.	John Sussman.	Store and dwelling.	15	2	Three-story brick.	Loss, none. Recall 9.32 a. m.; overheated stove.
Friday 9	173	11.43	.....	624 S. Port st.	Mary Myer.	Dwelling.	11	.....	Two-story brick.	Loss, $50.00. Recall 11.55 a. m.; rekindling of fire.
Friday 9	497	.....	3.49	2015 Ridgewood ave.	J. Burk.	Dwelling.	2 Chem.	10	Two-story brick.	Loss, none. Recall 4.22 p. m.; sparks from stove.
Friday 9	Silent.	.....	12.12	515 Jasper alley	Mrs. Melsed Bowman.	Store and dwelling.	7	.....	Three-story brick	Loss, $96.85; unknown.
Friday 9	361	.....	5.15	607 W. Saratoga st	Chas. R. Kennedy.	Dwelling.	1, 7, 8	2	Two-story and attic brick.	Loss, $405.67. Recall 6.04 p. m.; explosion of gasoline stove.
Friday 9	Silent.	.....	6.19	1632 Barnes st.	Mary Pannuska.	Dwelling.	9	.....	Two-story brick.	Loss, $5.00; overheated stove.
Friday 9	467	.....	6.45	20 Loudon ave.	John S. Price.	Dwelling.	.....	.....	Two-story brick.	Loss, $43.50. Recall 7.10 p. m.; lighted candle ignited curtain.
Satur'y 10	274	.....	7.06	1207 N. Chester st.	Joseph Krug.	Dwelling.	.....	.....	Two-story brick.	Loss, $48.50. Recall 7.14 p. m.; careless handling matches.

Satur'y 10	3	.....	8.39	211-215 Davis st.	Adams Express Co.	Stable.	3, 4, 6, 15	1, 2	Two-story brick.	Loss, $1,413.88. Recall 10.11 p. m.; unknown.
Satur'y 10	Silent.	.....	6.40	2846 Woodbrook ave.	Wm. T. Piquette	Dwelling.	.....	.....	Two-story brick.	Loss, $55.00; curtain ignited by gas jet.
Satur'y 10	39	.....	8.49	1637 Calhoun st.	Louis Gorsuch.	Stable.	.....	.....	One-story frame.	Loss, none; set on fire by boys.
Sunday 11	146	.....	1.45	224 Albemarle st.	Mrs. Annie Blum	Dwelling and store.	3	1	Three-story brick.	Loss, $187.00. Recall 2.15 p. m.; spontaneous combustion.
Sunday 11	61	11.45	.....	316 E. Lee st.	Lula Brown.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 11.53 a. m.; explosion of a coal-oil stove.
Sunday 11	324	.....	9.19	1100 Druid Hill ave	Ferdinand Neuraff.	Bakery and dwelling.	.....	4	Three-story brick.	Loss, none. Recall 9.32 p. m.; pan of grease boiling over.
Mond'y 12	328	8.22	.....	1408 Division st.	Mrs. Annie Oliver.	Dwelling.	.....	.....	Three-story brick.	Loss, $10.00. Recall 8.31 a. m.; child playing with fire.
Mond'y 12	Special	9.15	.....	805 Somerset st.	Rachael Cook.	Dwelling.	.....	.....	Two-story brick.	Loss, none; clothing ignited by hot stove.
Mond'y 12	218	.....	1.08	809 Plowman st.	Alphonso Merandio.	Tenement.	.....	1	Four-story brick.	Loss, none. Recall 1.22 p. m.; burning chimney.
Mond'y 12	Silent.	.....	3.08	124-126 Harrison st	Moses L. Hemmel.	Factory.	.....	1	Four-story brick.	Loss, none; gasoline ignited by lighted candle.

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Mond'y 12	323	.....	4.21	1237 Argyle ave.	R. B. Crawford.	Store and dwelling.	13	4	Three-story brick.	Loss, $15.00. Recall 4.39 p. m.; thawing water pipe.
Mond'y 12	321	.....	6.38	512 Pearl st.	C. Wedemyer.	Grocery store and dwelling.	7	.....	Three-story brick.	Loss, $274.50. Recall 6.50 p. m.; explosion of a coal-oil stove.
Tues'y 13	Silent.	.....	1.30	925 W. Lexington st.	Elizabeth Conway.	Dwelling.	.....	10	Three-story brick.	Loss, $20.00; roof ignited by hot ashes.
Wed'y 14	Silent.	12.45	.....	Grafflin's Wharf.	Captain S. N. Handy.	Schooner "J. W. Linnell."	16	.....	.....	Loss, $1,455.00; unknown.
Wed'y 14	214	7.45	.....	1006 E. Fayette st.	Jos. Lieth and others.	Tenement.	3	1	Three-story brick.	Loss, $96.50. Recall 7.58 a. m.; unknown.
Wedn'y 14	156	10.28	.....	719 S. Regester st.	Mary Beck.	Dwelling.	.....	3	Three story brick.	Loss, $68.50. Recall 10.54 a. m.; clothing ignited by coal-oil stove.
Wedn'y 14	Silent.	.....	10.30	507 Orchard st.	Henry Bell.	Dwelling.	7	4	Two and a-half story brick.	Loss, $11.92. Explosion of a coal-oil lamp.
Thurs'y 15	299	5.48	.....	1903 Oak st.	Samuel Snell.	Barber shop and dwelling	.....	.....	Three-story brick.	Loss, none. Recall 5.57 a. m.; overflow of coal-oil lamps.

Thurs'y 15	234	8.21	.....	1704 Mullikin st.	John H. Hill.	Dwelling.	5, 9,	3	Two story and attic frame.	Loss, $242.75. Recall 9.26 a. m.; unknown.
Thurs'y 15	155	.....	8.07	229 S. Spring st.	Maggie Turner.	Dwelling.	5	3	Two-story and attic brick.	Loss, $5.00. Recall 8.39 p. m.; heat from coal-oil lamp
Thurs'y 15	145	.....	8.56	1111 E. Baltimore st.	Philip Berman.	Tenement.	3	1	Four-story brick.	Loss, $154.19. Recall 9.33 p. m.; unknown.
Thurs'y 15	45	.....	11.36	746 W. Baltimore st.	Maryland Art Co	Store and dwelling.	1, 8	2	Three story brick.	Loss, $1,215.00. Recall 12.03 a. m.; overheated stove.
Friday 16	Silent.	2.44	.....	214 W. Fayette st.	A. I. Dugan.	Dwelling.	.....	.....	Four-story brick.	Loss, none. Leaking gaspipe in cellar.
Friday 16	327	.....	5.02	1403 Madison ave.	Miss Helen Mailhouse.	Dwelling.	.....	4	Three-story brick.	Loss, none. Recall 5.39 p. m.; carelessness.
Satur'y 17	394	12.06	.....	S. E. cor. Third and Roland aves	Theodore Hooper.	Public hall.	21	9	Three-story brick.	Loss, $190.00. Recall 1.10 a. m.; scenery ignited by lighted torch.
Satur'y 17	Silent.	.....	12.50	707 N. Mount st.	Timothy Arnold	Dwelling.	.....	10	Three-story brick.	Loss, none. Burning chimney.
Satur'y 17	424	.....	5.20	796 W. Saratoga st.	W. L. Pearce.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $104.80. Recall 5.30 p. m.; explosion of a coal-oil stove.
Satur'y 17	4	.....	6.04	22 S. Calvert st.	John Bolgiano.	Warehouse.	.....	.....	Five-story brick.	Loss, none. Recall 6.13 p. m.; explosion of a coal-oil stove.
Satur'y 17	Special	.....	9.40	920 N. Durham.	Frank Platka.	Dwelling.	.....	.....	Two-story brick.	Loss, $17.00. Overheated stove.

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Sunday 18	422	2.44	.....	.....	.....	.....	.....	.....	.....	Loss, $——. Recall 2.51 a. m.; false alarm.
Sunday 18	465	6.22	.....	435 S. Mount st.	Mary Kane.	Dwelling.	14	10	Two story brick.	Loss, $15.00. Recall 6 41 a. m.; upsetting hot stove.
Sunday 18	Silent.	11.19	.....	808 Cathedral st.	Edward Jackson	Dwelling.	.....	.....	Four-story brick.	Loss, none. Burning chimney.
Sunday 18	714	.....	12.41	3032 Pennsylvania ave.	Max W. Winkler	Dwelling.	13, 20 2 Chem.	10	Two-story brick.	Loss, $493.90. Recall 1.43 p. m.; overheated furnace.
Sunday 18	425	.....	10.17	814 Hollins st.	B.Z. Rosenbaum	Dwelling.	8, 10	2	Three-story brick.	Loss, $260.00. Recall 11.31 p. m.; unknown.
Mond'y 19	Special	.....	7.30	1640 Ashland ave.	Joseph Cohen.	Dwelling.	.....	.....	Two-story brick.	Loss, $17.00; unknown.
Mond'y 19	26	.....	10.40	811 N. Gay st.	Frank Turner.	Dwelling.	6, 9, 19	5	Two-story and attic brick.	Loss, $829.47. Recall 11.39 p. m.; unknown.
Tues'y 20	Special	.....	6.00	188 W. Fort ave.	John A. Waters.	Dwelling.	.....	.....	Two-story brick.	Loss, $45.00; unknown.
Tues'y 20	318	.....	7.33	201 N. Liberty st.	Mme. Jerome & Co.	Dyeing and cleaning establishment.	.....	2	Three-story brick.	Loss, $110.00. Recall 7.57 p. m.; unknown.

Tues'y 20	254	.....	9.24	314 E. North ave.	Wm. Meginnis.	Dwelling.	18	.....	Three-story brick.	Loss, $98.50. Recall 9.40 p. m.; curtain ignited by lighted gas jet.
Wedn'y 21	247	5 40	.....	399 N. Gay st.	Joshua Creamer	Store and dwelling.	6	.....	Three-story brick.	Loss $209.82. Recall 5.53 a. m.; defective electric wire.
Wedn'y 21	Silent.	10.05	.....	647 N. Eutaw st.	Wm. Dunnett.	Plumbing shop and dwelling.	7	.....	Two-story and attic.	Loss, $11.20; sparks from chimney,
Wedn'y 21	215	.....	12.10	202 Chestnut st.	Unoccupied.	Dwelling.	6	1	Three-story brick.	Loss, $35.00. Recall 12.35 p. m.; burning rubbish.
Wedn'y 21	39	.....	5.22	715 Cumberland st	Wm. A. Barnes.	Dwelling.	2 Chem.	10	Three-story brick.	Loss, $15.00. Recall 5.40 p. m.; unknown.
Wedn'y 21	157	.....	10.03	1515 Lancaster st.	Fredk. W. Gomperinger.	Stable.	3, 5, 11	3	Two-story brick.	Loss, $255.50. Recall 11.23 p. m.; unknown.
Wedn'y 21	Silent.	.....	1.50	614 N. Calvert st.	Mrs. Sarah J. Ramsay.	Boarding house.	.....	.....	Three-story brick.	Loss, none; burning ing chimney.
Thurs'y 22	Silent.	.....	1.59	419 W. Fayette st.	Mrs. George Kraiger.	Boarding house.	.....	.....	Four-story brick.	Loss, none; unknown.
Thurs'y 22	Silent.	.....	9.05	919 E. Pratt st.	Morris Thumble	Tenement.	3	.....	Three-story brick.	Loss, none; smoke from stove.
Friday 23	164	9.21	.....	415 S. Wolfe st.	Christian Bingel	Dwelling.	5	3	Two-story and attic brick.	Loss, $103.00. Recall 9.51 a. m.; unknown.
Friday 23	Special	10.52	.....	152 W. Cross st.	Charles D. Veston.	Dwelling.	.....	.....	Two-story brick.	Loss, none; no cause assigned.
Friday 23	Silent.	.....	5.40	212 N. Paca st.	L. D. Green.	Hotel.	.....	.....	Three and half-story brick.	Loss, none; smoke issuing from chimney.

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Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Ser'ce.	Style of Building.	Remarks.
Satur'y 24	159	.....	12.30	1519 Aliceanna st.	Francis Meyers.	Dwelling.	.....	3	Two story and attic brick.	Loss, $15.00. Recall 12.47 p.m.; sparks from chimney.
Satur'y 24	217	.....	8.07	615 Courtney st.	James Denison.	Dwelling.	6	1	Two-story and attic brick.	Loss, none. Recall 8.28 p. m.; defective flue.
Satur'y 24	472	.....	11.10	Patterson avenue, n. of Monroe st.	W. Md. R.R.Co.	Box car (No. 3099).	13, 2Chem	10	.....	Loss, $40.00. Recall 12.23 a. m.; unknown.
Sund'y 25	365	12.43	.....	929 Elm Place.	Wm. Jobe.	Dwelling.	8	4	Three-story brick.	Loss, $61.50. Recall 1.05 a. m.; overheated stove.
Sund'y 25	214	.....	2.51	.....	.....	.....	.....	.....	.....	Loss, ——. Recall 2.57 p. m.; false alarm.
Sund'y 25	Special	.....	5.30	835 N. Wolfe st.	Thomas C. Dudrow.	Dwelling.	.....	.....	Two-story brick.	Loss, $25.00; child stepping on match.
Sund'y 25	189	.....	11.36	.....	.....	.....	.....	.....	.....	Loss, ——. Recall 11.42 p. m.; false alarm.
Mond'y 26	56	1.06	.....	926-928 Bevan st.	John Zulch.	Stable.	2, 10, 15	6	One-story frame.	Loss, $659.37. Recall 2.53 a. m.; unknown.
Mond'y 26	324	2.09	.....	517 W. Preston st.	Harriet Hatton.	Dwelling.	.....	4	Three-story brick.	Loss, $52.20. Recall 2.30 a. m.; unknown.

Mond'y 26	392	.....	7.53	S. E. cor. Remington ave. and 30th st.	Geo. H. Foster.	Hothouse.	.....	11	One-story frame.	Loss, $238.56. Recall 8.27 p. m.; overheated coal-oil stove.
Tues'y 27	Silent.	.....	3.30	1409 Federal st.	Norman A. Pudduzzi.	Dwelling.	.....	5	Two-story brick.	Loss, $45.63; clothing ignited by a spark from stove.
Tues'y 27	381	.....	5.24	1420 Bruce st.	John Tyler.	Dwelling.	.....	10	Two-story brick.	Loss, $30.00. Recall 5.50 p. m.; children playing with fire.
Tues'y 27	425	....	10.37	18 N. Poppleton st.	Maggie Caspari.	Saloon and dwelling.	8, 10	2	Three-story brick.	Loss, $40.00. Recall 11.08 p. m.; woodwork ignited by a lighted gas jet.
Tues'y 28	863	3.12	.....	9–11 W. Pratt st.	Diggs, Curry & Co.	Boot and shoe dealers.	1, 2, 4, 5, 6, 9, 10	2, 6, 1, 10	Five-story brick.	Loss, $79,123.80. Recall 10.03 a. m.; unknown.
Tues'y 28	525	3.16	.....	.....	Heiser M'f'rsCo.	M'f'g of boots and shoes.	.....	.....	Five-story brick.	
Tues'y 28	2d Alarm	3.55								
Wedn'y 28	441	3 23	.....	10 E. Baltimore st.	W. J. C. Dulany Company.	Bookstore.	3, 6, 7, 8, 12, 13 and 15 2d Sect W. T.	1,3.4,5	Five-story brick.	Loss, $161,192.16. Recall 12.33 p.m.; unknown.
Wedn'y 28	2, 2 22	3.27	.....	12 E. Baltimore st.	Likes, Berwanger & Co.	Clothing-house.	.....	.....	Five-story marble.	Loss, ——. Recall 4.19 a. m.; box pulled for preceding fire.
Wedn'y 28	526	4.11								
Thurs'y 29	18	11.32	.....	2802 Elliott st.	Selvia Sauerwald.	Dwelling.	11	.....	Three-story brick.	Loss, $60.00. Recall 11.53 a. m.; upsetting coal-oil heater.

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Thurs'y 29	395	.....	6.51	541 Falls road.	George Lilly.	Dwelling.	.....	9	Two-story frame.	Loss, none. Recall 7.04 p. m.; burning chimney.
Thurs'y 29	Silent.	.....	5.33	250 N. Schroeder.	Isaac Ferguson.	Dwelling.	.....	.....	Three-story brick.	Loss, $21.00. Explosion of a coal-oil stove.
Thurs'y 29	Silent.	8.27	.....	104 N. Greene st.	Wm. J. Uhler.	Tenement-house.	1	2	Four-story brick.	Loss, $65.00. Unknown.
Thurs'y 29	Silent.	8.57	.....	10-12 E. Baltimore st.	Likes, Berwanger & Co.	Clothing-house.	4	.....	Five-story brick and marble.	Loss, $ ——. Rekindling of previous fire.
Friday 30	281	4.44	.....	204 Belair ave.	Maggie Schone.	Grocery store and dwelling	9, 19, 5, 6 Chem.	5	Two-story and attic stone.	Loss, $798 39. Recall 5.45 a. m.; overheated stove.
Friday 30	Special	7.00	.....	595 N. Gay st.	Louis Ottenberg	Meat store and dwelling	.....	.....	Three-story brick.	Loss, $20.37. Unknown.
Friday 30	Silent.	8.45	.....	823 Plum alley.	Rebecca Chew.	Dwelling.	2	.....	Three-story brick.	Loss, $38.50. Unknown.
Friday 30	Special	.....	7.10	1626 Mulliken st.	Tillie Taylor.	Dwelling.	.....	.....	Three-story brick.	Loss, $154.12. Overheated stove.
Satur'y 31	314	9.12	.....	425 N. Howard st.	Chas. P. Ruckle	Cigar store.	.....	.....	Three and a-half story brick.	Loss, $15.00. Recall 9.18 a. m.; upsetting coal oil stove.
Satur'y 31	Silent.	10.06	.....	513 W. Lexington st.	Edward Dias.	Grocery store factory and dwelling.	1	.....	Three-story brick.	Loss, $140.00. Leaking coal-oil stove

Satur'y 31	Silent.	10.15	.....	408 Mott st.	Wm. H. Hickman.	Stable.	6	.....	Two-story brick.	Loss, none. Unknown.
Satur'y 31	365	.....	12.18	628 W. Biddle st.	Laura Coleman.	Dwelling.	....	.....	Three-story brick.	Loss, none. Recall 12.25 p. m.; smoke from stove.
Satur'y 31	Silent.	.....	7.25	1024 E. Lombard st	Anna Cooper.	Dwelling.	3	.....	Three-story brick.	Loss, $50.50. Children playing with matches.
April.										
Sunday 1	531	.....	7.26	735 Columbia ave.	Robt. Ganzhorn	Restaurant and dwelling	10	.....	Three-story brick.	Loss, $122.83. Recall 7.39 p. m.; unknown.
Monday 2	68	1.18	.....	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 1.30 a. m.; false alarm.
Monday 2	324	2.11	.....	524 Oxford st.	Emiline Jolly.	Dwelling.	7	4	Three-story brick.	Loss, $89.00. Recall 3.04 a. m.; unknown.
Monday 2	534	.....	9.36	947 S. Paca st.	Dennis Driscoll.	Junk shop.	10	6	One-story brick.	Loss, $92.50. Recall 10.00 p. m.; unknown.
Monday 2	Silent.	.....	9.45	944 N. Durham st.	Joseph Rylok.	Dwelling.	9	.....	Two-story brick.	Loss, $142.70. Unknown.
Tuesday 3	145	5.30	.....	1428 E. Baltimore st.	Simon Heffner.	Cigar store and dwelling	3	3	Three-story brick.	Loss, $10.00. Recall 5.51 a. m.; unknown.
Tuesday 3	Automatic. 858	8.15	.....	37 Market space.	Fredk. H. Pauls.	Barber shop and tenement-house.	3	1, 3	One-story frame.	Loss, $131.10. Recall 9.05 a. m.; unknown.
Tuesday 3	Automatic. 13	8.24	.....	35 Market space.	Alex. Stuart.	Feed store and dwelling.	.....	.....	Three-story brick.	.....

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Tuesday 3	612	11.23	.....	231 E. Hughes st.	John Garvey.	Dwelling.	2, 12	6	Two-story and attic brick.	Loss, $106.31. Recall 12.00 m.; unknown.
Tuesday 3	266	.....	2.39	610 N. Eden st.	Richard Norris.	Dwelling.	9	5	Two-story brick.	Loss, $110.86. Recall 2.55 p. m.; overheated coal-oil stove.
Tuesday 3	Silent.	9.50	.....	112 E. Lexington st.	J. W. Bryant and others.	Offices.	4	.....	Two-story and attic brick.	Loss, $9.25. Sparks from chimney.
Tuesday 3	416	.....	4.39	515-517 W. German st.	The Dublin Co.	Ginger-ale manufacturers.	.....	2	Three-story brick.	Loss, $———. Recall 4.51 p. m.; explosion of a coal-oil lamp.
Tuesday 3	Silent.	.....	7.35	608 E. Baltimore st.	William Shutt.	Paint store and tenement	.....	1	Three-story brick.	Loss, $ —. Smoke blowing over roof.
Wedn'y 4	161	.....	5.40	535 Chapel st.	Henry Nell.	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $———. Recall 5.59 p. m.; explosion of a coal-oil lamp.
Wedn'y 4	128	.....	9.25	600-602 Water st.	David Steelman and others.	Shirt factory.	3, 4, 5, 6	1, 2, 3, 5	Five-story brick.	Loss, $2,308.16. Recall 10.40 p. m.; unknown.
Wedn'y 4	128 2nd alarm.	.....	9 39	.....	.....	.....	.....	.....	.....	.....
Wedn'y 4	Silent.	5.45	.....	3 N. Calvert st.	Jas. C. Logan and Schillinger.	Hotel and cafe.	 126	.. ..	Three-story brick.	Loss, $86.50. Unknown.

Wedn'y	4	Silent.	.....	.....	405 W. Lomdard st.	Nellie Delcher.	Dwelling.	15	.....	Three-story brick.	Loss, $58.75. Curtain ignited by lighted gas jet.
Thurs'y	5	128	8.05	.....	104½ Market space	Jacob Ferichenblum.	Notion store and dwelling.	3	1	Three-story brick.	Loss, $42.50. Recall 8.22 p. m.; Overheated stove.
Thurs'y	5	251	.....	1.46	1100 Harford ave.	Winifred McCormick.	Feed store and dwelling.	.....	.....	Two-story brick.	Loss, $——. Recall 1.56 p. m.; upsetting a pot of tar.
Thurs'y	5	Silent.	.....	2.44	1403 Cooksie st.	Thomas Kennelly.	Dwelling.	.....	.....	Two-story brick.	Loss, $——. Explosion of gasoline stove.
Thurs'y	5	56	.....	6.38	118 W. Hamburg st	William Wellman.	Saloon and dwelling.	.....	.....	Two and a-half story brick.	Loss, $40.00. Recall 6.46 p. m.; unknown.
Thurs'y	5	421	.....	8.51	700 W. Saratoga st.	Miss Annie Scott	Dwelling.	1, 8	2	Three-story brick.	Loss, $117.50. Recall 9.14 p. m.; unknown.
Friday	6	128	2.22	.....	3 Smith's court.	Mary Higgins.	Dwelling.	3	1	Two-story and attic brick.	Loss, $43.00. Recall 2.39 a. m.; unknown.
Friday	6	Silent.	10.32	.....	2041 Canton ave.	William Lovell.	Dwelling.	11	.....	Two-story brick.	Loss, $18.00. Mice gnawing matches.
Friday	6	176	.....	6.55	2208 Orleans st.	Edward H. Ford	Dwelling.	.....	.....	Two-story brick.	Loss, $14.63. Recall 7.14 p. m.; curtain ignited by lighted gas jet.
Friday	6	Silent.	10.37	.....	12 E. Biddle st.	Mrs. Ira Remsen	Dwelling.	7	.....	Three-story brick mansard.	Loss, $6.00; burning chimney.
Friday	6	Silent.	.....	12.15	202–204 W. North ave.	Columbia Motor Mnfg. Co.	Yard.	18	11	In rear of three-story brick.	Loss, $15.00; sparks from an open fire in yard.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.		BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Friday	6	346	.....	8.51	67 N. Howard st.	Mrs. Theresa Herzog.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 8.59 p. m.; dropping a lighted match.
Friday	6	Silent.	12.38	.....	783 Sarah Ann st.	Thomas Clarke.	Dwelling.	8	.....	Two-story brick.	Loss, $35.00; overheated stove.
Friday	6	39	.....	10.28	Cumberland court	Wm. Sheldon.	Stable.	.....	10	One-story frame.	Loss, none. Recall 10.41 p. m.; unknown.
Satur'y	7	145	2.18	.....	1407 Eden alley.	McClellan Cappers.	Dwelling.	3	3	Two-story brick.	Loss, none. Recall 2.36 a. m.; carelessness with matches.
Satur'y	7	264	.....	3.09	722 N. Spring st.	Mrs. Mary McNamara.	Dwelling.	9	5	Three-story brick.	Loss, $20.00. Recall 3.17 p. m.; defective oil stove.
Satur'y	7	Silent.	.....	4.00	806 Mulberry st.	J. Joseph Fitz.	Dwelling.	8	.....	Two and half-story brick.	Loss, $41.15; unknown.
Satur'y	7	287	.....	8.37	York road, near 27th st.	United Electric R. R. Co.	Car No. 703.	.....	.....	.....	Loss, none. Recall 8.44 p. m.; blowing out of fuse.
Sunday	8	63	3.50	.....	17 E. Fort ave.	Benjamin Dachlager.	Shoe shop.	12	6	Three-story brick.	Loss, $56.65. Recall 4.17 a. m.; unknown.
Sunday	8	355	10.34	.....	219 Tyson st.	Wm. H. Jackson	Dwelling.	.....	4	Two and one-half story brick.	Loss, $15.00. Recall 10.39 a. m.; sparks falling on roof.

Sunday 8	734	.....	11.59	E. Preston st., ext.	Baltimore Brick Company.	Brick kiln.	9, 19 6 Chem.	5	One-story frame.	Loss, none. Recall 1.52 a. m.; overheated kiln.
Monday 9	Silent.	7.22	.....	1001 E. Baltimore st.	Yetta Kahn.	Dwelling.	3	.....	Three-story brick.	Loss, $131.76; heat from gas stove.
Monday 9	Silent.	8.07	.....	358 Davis st.	Grace White.	Dwelling.	.....	.....	Three-story brick.	Loss, $62.00; unknown.
Monday 9	64	.....	3.15	1724 Light st.	George Kline.	Stable.	.....	.....	One-story frame.	Loss, none. Recall 3.25 a. m.; boys playing with matches.
Monday 9	37	.....	9.35	824 Woodyear st.	Unoccupied.	Dwelling.	13	10	Two-story brick.	Loss, $125.00. Recall 10.27 p. m.; supposed incendiary.
Tues'y 10	65	.....	4.48	1960 Hanover st.	John C. Weaver.	Manure pit.	2, 12	6	.....	Loss, none. Recall 5.22 p. m.; lighted match.
Tues'y 10	62	.....	7.25	1016 S. Charles st.	Mrs. Virginia H. Bushof.	Store and dwelling.	.....	6	Three story brick.	Loss, $243.25. Recall 7.39 p. m.; contents ignited by lighted gas jet.
Tues'y 10	215	.....	8.33	1018 E. Lexington st.	Jacob Cohen.	Storehouse.	6	.....	One-story brick.	Loss, none. Recall 8.42 p. m.; unknown.
Tues'y 10	191	.....	11.11	2921 O'Donnel st.	John Hergert.	Cigar and stationery store	11	.....	Two-story brick.	Loss, $224.00. Recall 12.03 a. m.; unknown.
Wedn'y 11	274	8.32	.....	2045 E. Biddle st.	Maggie Lambert	Shed.	.....	5	One-story frame.	Loss, $21.50. Recall 8.47 a. m.; overheated stove-pipe.
Wedn'y 11	157	10.58	.....	838 S. Bond st.	Geo. Meder and others.	Tenement.	.....	3	Two and a half-story brick.	Loss, $12.00. Recall 11.12 a. m.; heat from stove.

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Wedn'y 11	244	.....	4.35	814 Webster st.	Louis Hopkins.	Dwelling.	6	5	Two-story brick.	Loss, $68.62. Recall 4.50 p. m.; overheated stove.
Wedn'y 11	463	.....	6.13	439 S. Gilmor st.	G. G. Steuart.	Dwelling.	14	.....	Two-story brick.	Loss, $10.00. Recall 6.26 p. m.; unknown.
Wedn'y 11	Silent.	.....	7.48	394 Forrest st.	Annie Harris.	Dwelling.	6	.....	Three-story brick.	Loss, $25.00; defective flue.
Wedn'y 11	366	.....	11.28	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 11.37 p. m.; false alarm.
Wedn'y 11	Silent.	.....	11.40	570 Union st.	Martin Kriener.	Stable.	.....	4	One-story frame.	Loss, none; electric wire.
Thurs'y 12	532	.....	5.03	504 W. Lee st.	Edward Booker.	Dwelling.	2	.....	Two and a half-story brick.	Loss, $75.00. Recall 5.33 p. m.; children playing with fire.
Thurs'y 12	214	.....	8.26	816 E. Fayette st.	Harris Dickman	Bakery and dwelling.	.....	1	Three-story brick.	Loss, $15.00. Recall 8.34 p. m.; curtain ignited by gas jet.
Friday 13	366	9.20	.....	1524 Druid Hill ave.	E. F. Baldwin.	Dwelling.	.....	.....	Three-story brick.	Loss, $179.06. Recall 9.35 a. m.; upsetting coal-oil stove.
Satur'y 14	Silent.	9.38	.....	825 N. Calhoun st.	G. A. Walker.	Stable.	.....	10	Two-story brick.	Loss, $20.00; unknown.

Satur'y 14	68	.....	12.47	1818 Light st.	Louis Winkelman.	Dwelling.	.....	6	Two-story brick.	Loss, $19.75. Recall 1.02 p. m.; sparks from chimney.
Satur'y 14	171	.....	2.20	527 S. Chester st.	Charles Funk.	Dwelling.	11	.....	Two and a half-story brick.	Loss $12.64. Recall 2.27 p. m.; leaking gasoline stove.
Satur'y 14	Silent.	.....	6.08	1100 E. Hoffman st.	Ernest A. Wolfe	Dwelling.	.....	.....	Two-story brick.	Loss, none; kindling in oven of stove.
Satur'y 14	174	.....	10.20	2011 E. Lombard st.	Charles Velte.	Paint shop and stable.	5, 9, 11	3	Two-story brick.	Loss, $138.75. Recall 10.47 p. m.; benzine ignited by lighted candle.
Sunday 15	241	8.40	.....	405 Bath st.	Samuel Boures	Dwelling and packing fruit	.....	1	Two-story and attic brick.	Loss, $——— Recall 8.48 a. m.; explosion of a gasoline lamp.
Sunday 15	Silent.	8.41	.....	N. W. cor. Clifton and Ninth sts.	William H. Retter.	Dwelling.	3 Chem.	.....	Two and a half-story frame.	Loss, $73.50. Overheated stove.
Sunday 15	Silent.	7.40	.....	732 S. Ann st.	James Stanton and others.	Tenement.	.....	3	Three-story and attic brick.	Loss, $12.00. Heat from stovepipe.
Sunday 15	Silent.	12.42	.....	No. 9 stall, Belair Market.	John Range.	Market-house	6	.....	One-story frame and iron.	Loss, $40.00. Unknown.
Sunday 15	152	.....	9.21	1711 E. Lombard st.	F. A. Zingling.	Cigar store and dwelling.	.....	3	Three story brick.	Loss, $25.00. Recall 9.34 a. m.; carelessness with matches.
Mond'y 16	28	8.53	.....	1733 N. Gay st.	Blanche Addison	Dwelling.	6 Chem.	.....	Three-story brick.	Loss, 15.00. Recall 9.04 a m.; overflow of gasoline stove.
Mond'y 16	371	.....	9.06	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 9.13 p. m.; false alarm.

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Mond'y 16	374	.....	10.48	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 10.53 p. m.; false alarm.
Tues'y 17	467	10.35	.....	Collins ave., bet., Fredk. ave. and Walrad ave.	D. Springer.	Dwelling.	14	8	Two-story and attic frame.	Loss, $692.24. Recall 12.30 p. m.; unknown
Tues'y 17	312	.....	5.12	203 Clay st.	August Schuster F. H. Fitzberger	Mattress mfg. Metal worker.	1,2,4,7,15	1, 2	Three-story brick.	Loss, $1,124.84. Recall 7.23 p. m.; unknown.
Tues'y 17	493	.....	6.49	2835 Raynor ave.	W. D. Gebhart.	Dwelling.	.....	.....	Two and a half-story brick.	Loss, $30.50. Recall 7.04 p. m.; unknown.
Wedn'y 18	Silent.	.....	6.45	423–425 S. Broadway.	L. Rosenstein.	Shoe store and dwelling	.....	3	Three-story brick.	Loss, none; electric wire.
Wedn'y 18	Special	.....	9.30	1038 Hillen st.	Chas. J. Connery	Saloon and dwelling.	.....	.....	Two-story and attic brick.	Loss, $25.00. Defective electric lamp.
Thurs'y 19	Silent.	.....	10.12	420 W. Lexington st.	Jubb & Tibbals.	Store-room.	.....	.....	Three-story brick.	Loss, $———. Unknown.
Friday 20	Silent.	3.35	.....	1306 S. Charles st.	Robert S. Short.	Dwelling.	.....	6	Two-story marble	Loss, $95.00. Unknown.
Friday 20	Silent.	7.30	.....	419 W. Fayette st.	Mrs. Geo. W. Kraeger.	Boarding-house.	.....	.....	Four-story brick.	Loss, $——. Burning chimney.

				734 W. Baltimore st.	Laurence F. Bauer.	Shed and cleaning establishment			One-story frame..	Loss, $461.64. Recall 9.20 a. m.; barrel of gasoline igniting from an unknown cause.
Friday 20	45	8.24	.....	732 W. Baltimore st.	Lehr Bros.	Store and dwelling.	1, 8, 15	2	Three-story brick.	
				736 W. Baltimore st.	.....	Tailor store.			Three-story brick.	
Friday 20	Silent.	11.56	.....	907 Stiles st.	Aaron Suseman.	Dwelling.	3	.....	Two-story and attic brick.	Loss, $25.00. Carelessness with matches.
Satur'y 21	289	2.35	.....	N. W. cor. Montebello ave. and 26th st.	John J. Turner.	Stable.	18 4 Chem.	7	Two-story frame.	Loss, $300.00. Recall 3.44 a. m.; unknown.
Satur'y 21	Silent.	5.28	.....	427 N. Exeter st.	John Griffin.	Kitchen and dining-room	6	.....	One-story frame and brick.	Loss, $180.57; upsetting lighted coal-oil lamp.
Satur'y 21	535	.....	10.36	1216 Bayard st.	Henry Grosh.	Grocery store and dwelling.	10, 14	6	Two-story brick.	Loss, $237.10. Recall 11.49 p. m.; gasoline tank ignited from lighted lantern.
Satur'y 21	181	.....	11.16	1214 Bayard st.	Louis Jacobs.	Dwelling.	.....	.....	Two-story brick.	Loss, $——. Recall 11.26 p. m.; false alarm.
Sunday 22	Special	.....	2.10	327 Tyson st.	Susan Brown.	Dwelling.	.....	.....	Two-story brick.	Loss, $43.50. Unknown.
Sunday 22	Silent.	.....	2.26	1141 Shields alley.	Armstead Carter	Dwelling.	13	.....	Two-story brick.	Loss, $18.00; overheated stove.
Sunday 22	192	.....	9.26	.....	.....	.....	.....	.....	.....	Loss, $——. Recall 9.31 p. m.; false alarm.
Mond'y 23	Silent.	10.15	.....	5 S. High st.	J. Weisman.	Dwelling.	3	.....	Three-story brick.	Loss, none; heat from oven.

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Mond'y 23	159	11.03	.....	1631 Aliceanna st.	Henry Bohm.	Saloon and dwelling.	3	.....	Three-story and attic brick.	Loss, $94.60. Recall 11.23 a. m.; filling lighted gasoline stove.
Mond'y 23	Silent.	.....	2.35	308 N. High st.	Wolf Hander.	Tenement.	3	.....	Three-story brick.	Loss, $21.37; burning chimney.
Mond'y 23	452	.....	10.38	1402 W. Lexington st.	Aged Woman's Home.	Home for the Aged.	.....	10	Four-story brick.	Loss, $50.00. Recall 10.59 p. m.; bed clothing ignited by lighted candle.
Tuesd'y 24	432	1.20	.....	....	.....	.....	.....	.....	.....	Loss, $———. Recall 1 28 a. m.; false alarm.
Tuesd'y 24	213	10.56	.....	125 N. Forrest st.	Manuel Cooper.	Dwelling.	....	1	Two-story and attic brick.	Loss, $256.18. Recall 11.19 a. m.; careless handling of a lighted candle
Wedn'y 25	471	9 26	.....	535 Kirby lane.	Charles Bishop.	Dwelling.	.....	10	Two-story brick.	Loss, $15.00. Recall 9 36 a m.; sparks from flue.
Wedn'y 25	171	.....	5.59	410 S. Chester st.	Charles Carter.	Dwelling.	.....	.....	Three-story brick.	Loss, $20.00. Recall 6.10 p. m.; leaking gasoline stove.
Wedn'y 25	145	.....	6.10	1117 Watson st.	Peter Lastonski.	Back building	3, 6	1	One-story frame.	Loss, $331.75 Recall 6.33 p. m.; explosion of a gasoline stove.

Thurs'y 26	367	8.10	.....	613 Brune st.	John B. Wihlfouth.	Dwelling.	13	4	Three-story brick.	Loss, $50.50. Recall ——; unknown.
Thurs'y 26	242	10.55	.....	904 Greenmount ave.	James Boines and others.	Grocery store and dwelling.	6	5	Two-story and attic frame.	Loss, $———. Recall 11.16 a. m.; burning chimney.
Thurs'y 26	452	.....	8.48	1510 Vine st.	Lottie Morris.	Dwelling.	.....	10	Two-story brick.	Loss, $25.00. Recall 9.04 p. m.; explosion of a coal oil lamp.
Thurs'y 26	38	.....	8.55	548 Gold st.	Mrs. Annie Sheppard.	Dwelling.	.....	4	Two-story brick.	Loss, $34.50. Recall 9.17 p. m.; dropping lighted match on couch.
Friday 27	384	7.16	.....	2501 Madison ave.	Mrs. Morrellis P. Brooks.	Dwelling.	....	11	Three story brick.	Loss, $——. Recall 7 27 a. m.; burning chimney.
Friday 27	35	9.50	.....	890 Linden ave.	John Berger.	Store and dwelling.	.....	4	Four-story brick.	Loss, $10.00. Recall 9.55 a. m.; overflow of coal-oil stove.
Friday 27	412	11.02	.....	42 W. Baltimore st.	Chas. W. Crooks	Bicycle dealer	....	.....	Five-story stone	Loss, $———. Recall 11.14 a. m.; unknown.
Friday 27	215	.....	12.23	137 Aisquith st.	Hanna Semon.	Dwelling.	6	1	Two-story brick.	Loss, $22.00. Recall 12.40 p. m.; tinner's firepot.
Friday 27	324	.....	1.47	416 Preston st.	Dora Crowe.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 1.56 p. m.; gasoline stove igniting bagging.
Friday 27	Silent.	.....	1.45	441 Clement st.	Annie Freeberger.	Dwelling.	....	.....	Two-story brick.	Loss, $——. Burning chimney.

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Friday 27	162	.....	3.31	1813–1817 S. Wolfe st.	John Bodge.	Can factory.	.....	3	Four-story brick.	Loss, $——. Recall 4.04 p. m.; defective gasoline valve.
Friday 27	Silent.	.....	7.15	614 E. Fayette st.	William Drebbing.	Tin shop.	.....	1	Three-story brick.	Loss, $45.00. Sparks from tinner's fire-pot.
Satur'y 28	Special	12.10	.....	37 E. Church st.	Henry Holand.	Dwelling.	.....	.....	Two-story brick.	Loss, $38.00. Dropping a lighted match.
Satur'y 28	261	.....	2.03	1230 E. Eager st.	Frank Gardfale.	Shoe store and dwelling.	.....	5	Three-story brick.	Loss, $——. Recall 2.16 p. m.; explosion of a gasoline stove.
Satur'y 28	492	.....	3.54	68 Garrison lane.	Henry Meister.	Stable and dwelling.	14, 20	3 Chem 8, 10	Two and three-story brick.	Loss, $734 37. Recall 5 29 p. m.; unknown.
Sunday 29	151	1.06	.....	208 Martin's court.	Richard McCubbin and others	Stable and tenement.	5	3	Two story brick.	Loss, $50.00. Recall 1.25 a. m.; sparks from pipe.
Sunday 29	457	10.27	.....	1305 Riggs ave.	Annie Abram.	Dwelling.	.....	10	Three-story brick.	Loss, $40,00. Recall 10.34 a. m.; Children playing with matches.
Sunday 29	312	11.18	.....	219–221 N. Howard st.	.....	Vacant lot.	15	2	.....	Loss, $——. Recall 11.31 a. m.; unknown.

Sunday 29	Special	.....	1.15	1015 Eastern ave.	Joseph Gruntooes.	Dwelling.	3	.....	Two and half-story brick.	Loan $———. No cause assigned.
Sunday 29	Silent.	.....	3.40	425 S. Madeira al.	Benj. Schuppel.	Dwelling.	11	.....	One-story brick.	Loss,$18.50. Sparks from lighted match
Sunday 29	Special	.....	9.45	1746 Lancaster st.	Michael Matanzek.	Dwelling.	.....	.....	Two-story brick.	Loss, $17.50. Unknown.
Mond'y 30	471	.....	3.49	619 Kerby lane.	Henry Hittner.	Dwelling.	.....	10	Two-story brick.	Loss, $56.50. Recall 4.03 p. m.; unknown.
Mond'y 30	624	.....	8.46	1044 Sharp st.	Julius Koehler.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 8.54 p. m.; curtain ignited by a lighted gas jet.
May.										
Tuesd'y 1	371	6.32	.....	1039 Mount st.	W. H. Comfort.	Dwelling.	8, 13	10	Three-story brick.	Loss, $170.25. Recall 7.15 a. m.; unknown.
Tuesd'y 1	39	8.13	.....	727 Cumberland st	Elizabeth Stimmel.	Summer kitchen.	.....	.....	One-story frame.	Loss, $———. Recall 8.26 a. m.; Leaking gasoline stove.
Tuesd'y 1	Silent.	.....	5.00	9 Harrison st.	Vet. Volunteer Association.	Headquarters	.....	1	Three-story brick.	Loss, $15.00. Unknown.
Wedn'y 2	471	6.39	.....	1918 White st.	Louis Moore.	Dwelling.	.....	10	Two-story brick.	Loss, $97.21. Recall call 6.44 a. m.; unknown.
Wedn'y 2	153	.....	7.32	1608 Canton ave.	August Bochiski	Tenement.	.....	3	Three-story brick.	Loss, $20.00. Recall 7.46 p. m.; curtain ignited by lighted lamp.
Wedn'y 2	Silent.	9.00	.....	812 Bruce st.	Clarence Scott.	Dwelling.	.....	10	Two-story brick.	Loss, $35.00. Children playing with matches.

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Wedn'y 2	Silent.	.....	12.19	1809 E. North ave.	Sarah O'Connor	Summer kitchen.	19	.....	One-story frame.	Loss, $125.00. Overflow of gasoline tank.
Wedn'y 2	.....	.....	.....	1811 E. North ave.	Frank Fox.	(Bathroom). Dwelling.	.....	.....	Two-story brick.	....
Thurs'y 3	517	.....	3.31	Foot of Russell st	Harman's bridge	Bridge.	2, 10	6	....	Loss, $———. Recall 4.08 p. m.; sparks from dump
Thurs'y 3	128	.....	5.46	104½ Marsh Market space.	Louis Gordon and others.	Clothing store and dwelling.	.....	1	Three-story brick.	Loss, $15.00. Recall 5.57 p. m.; children playing with matches.
Thurs'y 3	323	.....	11.45	1107 Pennsylvania ave.	John W. Kelly.	Saloon and dwelling.	7, 8, 13	4	Three-story brick.	Loss, $107.50. Recall 12.19 a. m.; unknown.
Friday 4	Silent.	9.28	.....	N. E. cor. Howard and Lexington st	Posners Bros.	Department store.	1	.....	Six-story brick.	Loss, $3.50. Electric wire.
Friday 4	Silent.	9 35	.....	206 Conway st.	Mrs. Augusta Bruns.	Dwelling.	.....	.....	Three-story brick.	Loss, $10.00. Explosion of a gasoline stove.
Saturd'y 5	431	.....	12.45	221 S. Fremont st.	Paul Schritter.	Dwelling.	15	2	Three-story brick.	Loss, $331.27. Recall 1.15 p. m.; unknown.
Saturd'y 5	458	.....	2.19	713 W. Lafayette ave.	Miss Mamie Focks.	Dwelling.	13	10	Three-story brick.	Loss, $409.00. Recall 3.30 p. m.; careless handling matches.

Saturd'y 5	23	.....	4.21	1304 Orleans st.	Herman Berman	Tailor store and dwelling.	3, 6	3	Two and half-story brick.	Loss, $506.91. Recall 5.12 p. m.; unknown.
Sunday 6	357	8.37	.....	1026 Park ave.	John Brown.	Dwelling.	7	4	Three-story brick.	Loss, $74.25. Recall 8.52 a. m.; unknown.
Sunday 6	41	.....	7.02	S. E. cor. Fayette and St. Paul sts.	Unoccupied.	Office building.	4	2	Twelve-story brick.	Loss, none. Recall 7.30 p. m.. heater used for heating pitch.
Sunday 6	243	.....	8.33	621 Ensor st.	Simon Hules.	Notion store and dwelling.	.....	.....	Three-story brick.	Loss, $55.00. Recall 8.40 p. m.; dropping a lighted coal-oil lamp.
Mond'y 7	336	8.54	.....	411 N. Howard st.	Frank J.Geneste	Dyeing estab. and dwelling.	7	2	Two-story brick.	Loss, $65.00. Recall 9.15 a. m.; benzine becoming ignited.
Mond'y 7	465	.....	3.34	1939 W. Pratt st.	George Reihl.	Barber shop and dwelling.	14	.....	Three-story brick.	Loss, $79.86. Recall 3.58 p. m.; explosion of a gasoline stove.
Mond'y 7	176	.....	8.31	413 Madeira alley.	Martin Hardsky	Clothing factory and dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 8.43 p. m.; leaking gasoline stove.
Tuesd'y 8	Silent.	.....	1.25	1026 Eastern ave.	Frank Yager.	Dwelling.	.....	3	Two-story and attic brick.	Loss, none; burning chimney.
Tuesd'y 8	Special	.....	3.00	1926 Aliceanna st.	John Gurski.	Tenement.	.....	.....	Three-story brick.	Loss, $15.00; unknown.
Tuesd'y 8	273	.....	3.09	1738 N. Duncan alley.	Mary Richards.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 3.24 p. m.; children playing with matches.

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Tuesd'y 8	531	.....	8.03	518 S. Fremont ave	Patrick McGee.	Grocery store and dwelling.	10	2	Three-story brick.	Loss, $58.75. Recall 8.23 p. m.; gasoline ignited by a lighted candle.
Wedn'y 9	Silent.	5.08	.....	1009 E. Hoffman st	Albert Raine.	Dwelling.	.....	5	Two-story brick.	Loss, $35.00: portieres ignited from coal-oil lamp.
Wedn'y 9	Silent.	.....	3.50	1514 Harford ave.	Lillie Johns.	Yard.	.....	.....	.....	Loss, none; purposely set on fire.
Thurs'y 10	47	8.09	.....	102 N. Mount st.	Mrs. Victor E. Kendall.	Dwelling.	14	10	Two-story brick.	Loss, $15.00. Recall 8.30 a. m.; unknown.
Friday 11	Silent.	.....	5.51	200 N. Eden st.	Simon Snyder.	Dwelling.	3	.....	Two-story and attic brick.	Loss, none; burning chimney.
Satur'y 12	144	2.22	.....	305 East Falls ave.	E. W. Hastmeyer & Son.	Planing mill.	3	1, 3	Two-story brick.	Loss, $25.50. Recall 4.33 a. m.; unknown.
Satur'y 12	272 2nd alarm.	4.43	.....	E. Biddle st. (Extended).	Balto. Brick Co.	Sheds, etc.	5, 6, 9, 11, 19	3, 5	One-story frame.	Loss, $7,079.96. Recall 9.03 a. m.; overheated kiln.
Satur'y 12	272	4.52								
Satur'y 12	233	5.01	.....	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 5.19 a. m.; box pulled for preceding fire.

Satur'y 12	313	.....	3.35	527 N. Charles st.	Mrs. Basil Gordon.	Dwelling.	1, 4, 6, 7	4	Three-story brick.	Loss, $776.40. Recall 4.56 p. m.; unknown.
Satur'y 12	317	.....	5.44	.....	.....	.....	.....	.....	.....	Loss, $——. Recall 3.55 p. m.; box pulled for preceding fire.
Sunday 13	493	2.36	.....	2835 Raynor ave.	W. T. Gephardt.	Stable.	20	8	One-story frame.	Loss, $188.07. Recall 3.45 a. m.; unknown.
Sunday 13	467	.....	.....	Yale ave. south of Frederick ave.	C. L. Hoffman.	Dwelling.	.....	.....	Two-story and attic frame.	Loss, $——. Recall 11.21 a. m.; coal-oil stove taking fire.
Sunday 13	497	.....	2.17	.....	.....	.....	.....	.....	.....	Loss, $——. Recall 2.23 p. m.; smoke from locomotive.
Sunday 13	Special	.....	11.45	2316 Boston st.	Charles Kramer	Dwelling.	.....	.....	Three-story brick.	Loss, $10.00. Explosion of a coal-oil lamp.
Sunday 13	416	.....	11.47	634 Cider alley.	Mrs. Mary J. Brown.	Dwelling.	15	2	Two and half-story brick.	Loss, $215.00. Recall 12.34 a. m.; unknown.
Mond'y 14	155	.....	6.50	315 S. Dallas st.	Unoccupied.	Dwelling.	5	3	Three-story brick.	Loss, $41.00. Recall 7.07 p. m.; unknown.
Mond'y 14	155	.....	11.32	210 S. Caroline st.	Harris Cohen.	Dwelling.	.....	.....	Two and one-half story brick.	Loss, $——. Recall 11.42 p. m.; children playing with matches.
Mond'y 14	154	.....	11.56	Foot of Bond st.	Baker, Whitely & Co.	Tugboat C. J. Baker.	5, 16	3	.....	Loss, $345.00. Recall 1.07 a. m.; unknown.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Mond'y 14	Silent.	.....	4.52	1508 Aisquith st.	Hugo Bowers.	Dwelling.	.....	5	Three-story brick.	Loss, $15.00. Overflowing of a coal-oil stove.
Tuesd'y 15	486	9.26	.....	104 Millington la.	Leonhardt Shaefer.	Dwelling.	.....	.....	Two-story brick.	Loss, $85.00. Recall 9.52 a. m; explosion of a gasoline stove.
Tuesd'y 15	Special	11.10	.....	923 Hanover st.	Frederick Stallmen.	Dwelling.	.....	.....	Three-story brick.	Loss, $15.00 Explosion of a gasoline stove.
Tuesd'y 15	234	.....	1.03	235 N. Ann st.	Geo. Groeninger	Dwelling.	5, 9	3	Two-story brick.	Loss, $616.50. Recall 1.43 p. m.; explosion of a coal-oil stove.
Tuesd'y 15	Special	.....	1.40	1842 Light st.	Frederick Willand.	Stable.	.....	.....	One-story frame.	Loss, $22.00. Unknown.
Tuesd'y 15	165	.....	2.39	1626 E. Baltimore st.	Henry Warkanitz.	Tailor shop and dwelling.	3, 5	3	Three-story brick.	Loss, $127 25. Recall 2.57 p. m.; clothing catching fire from gasoline stove.
Tuesd'y 15	155	.....	8.01	1444 Eastern ave.	Jacob Gensberg	Saloon and dwelling.	....	3	Two-story and attic brick.	Loss, $ ——. Recall 8.16 p. m.; unknown.
Tuesd'y 15	Silent.	.....	9.20	736–738 E. Lombard st.	A. S. Miles.	Stable.	3	.....	One-story frame.	Loss, $——. Spontaneous combustion.

Tuesd'y 15	136	.....	12.00	Foot of Long Dock	Bay Line Steamboat Co.	Tugboat Elsie	3, 4	1, 3	.....	Loss, $485.00. Recall 12.40 a. m.; unknown.
Wedn'y 16	141	12.03	.....	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 12.21 a. m.; box pulled for preceding fire.
Wedn'y 16	Special	.....	12.00	620 Light st.	Henry Baer.	Dwelling.	.....	.....	Three-story brick.	Loss, $20 00. Sparks from chimney.
Thurs'y 17	635	12.03	.....	1438 Decatur st.	Harry Clewell.	Stable.	17	6	One-story frame.	Loss, $221.00. Recall 12.34 a. m.; unknown.
Thurs'y 17	421	2.25	.....	732 W. Lexington st.	Voewarts Turn Verien.	Hall and gymnasium.	1	2	Three-story brick.	Loss, $14.40. Recall 2.57 a. m.; unknown.
Thurs'y 17	161	.....	8.05	1819 Eastern ave.	Ella Wills.	Millinerystore and dwelling	.....	3	Two-story and attic brick.	Loss, $15.00. Recall 8.18 p. m.; heat from gas light.
Thurs'y 17	163	.....	8.08	2019 Fairmount ave.	Leonard D. Miller.	Stable.	.....	.....	Two-story frame.	Loss, $———. Recall 8.22 p. m.; L. Miller falling from hay-loft with a lighted lamp.
Friday 18	372	7.06	.....	1141 N. Stricker st.	William Jessel.	Dwelling.	.....	.....	Three-story brick.	Loss, $24.00. Recall 7.32 a. m.; leaking coal-oil stove.
Friday 18	629	.....	1.05	1130 Decatur st.	Joseph White.	Dwelling.	17	6	Two-story brick.	Loss, 30.00. Recall 1.33 p. m.; sparks from chimney.
Friday 18	21	.....	5.51	164 N. Gay st.	John F. Raabe.	Grocery store and dwelling	4	.....	Two and one-half story brick.	Loss, $23.00. Recall 5.59 p. m.; treading on match.

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Friday 18	438	.....	6.13	114 Scott street.	Frank Thomas.	Dwelling.	.....	.....	Three-story brick.	Loss, $25.00. Recall 6.24 p. m.; leaking gasoline stove.
Friday 18	Special	.....	8.10	813 E. Baltimore st.	Louis Enzel.	Saloon and dwelling.	.....	.....	Three-story brick.	Loss, $———. Unknown.
Satur'y 19	21	2.44	.....	156 N. Gay st.	Mrs. Zepp Arnold.	Eating-house and dwelling	4	1	Three-story brick.	Loss, $186.67. Recall 3.08 p. m.; unknown.
Satur'y 19	214	.....	12.41	108 Chestnut st.	Charles Barney.	Dwelling.	.....	.....	Two and half-story brick.	Loss, none. Recall 12.48 p. m.; sparks from open grate.
Sunday 20	531	.....	8.56	329 Ringgold st.	Mary Lanahan.	Dwelling.	10	.....	Two-story brick.	Loss, $45.00. Recall 9.15 p. m.; unknown.
Mond'y 21	482	9.40	.....	535 S. Monroe st.	John Paulis.	Dwelling.	14	.....	Two-story brick.	Loss, $113.50. Recall 10.01 a. m.; overflowing of a gasoline stove.
Mond'y 21	12	.....	8.57	5 Postoffice ave.	Baltimore Journal.	Pub. and printing estab.	.....	.....	Five-story iron.	Loss, none. Recall 9.07 p. m.; defective flue.
Mond'y 21	Silent.	.....	12.10	Foot of Bush st.	Baltimore City.	City Dump.	10	.....	.....	Loss, none; set on fire.
Tuesd'y 22	217	10.56	.....	605 Courtney st.	Unoccupied.	Dwelling.	4, 6	1, 5	Two-story and attic brick.	Loss, not settled. Recall 11.19 a. m.; sparks from locomotive.

Tuesd'y 22	458	.....	12.13	1315 Upton st.	Steven Wolford.	Dwelling.	13	10	Three-story brick.	Loss, $47.50. Recall 12.30 p. m.; children playing with matches.
Tuesd'y 22	128	.....	12.22	509 E. Lombard st	Sea Gull Specialty Co.	Manufactory.	.....	.....	Four-story brick.	Loss, none. Recall 12.30 p. m.; pan of wax igniting.
Tuesd'y 22	561	.....	3.59	1213 Leadenhall st	Edward Zell.	Balto. Paint Factory.	2	.....	One-story brick.	Loss, none. Recall 4.15 p. m.; pot of gas tar.
Tuesd'y 22	164	.....	8.55	1914 Bank st.	Peter Carstensen.	Barber shop & dwelling.	5	3	Two and half-story brick.	Loss, $99.80. Recall 9.16 p. m.; carelessness with matches.
Tuesd'y 22	254	.....	10.24	114 Barclay st.	Elizabeth Gasway.	Dwelling.	19	.....	Two-story brick.	Loss, $10.00. Recall 10.36 p. m.; children playing with matches.
Wedn'y 23	Silent.	7.40	.....	1054 Pennsylvania ave.	C. J. Pfeiffer.	Clothing store and dwelling.	.....	10	Three-story brick.	Loss, $——; goods ignited by lighted match.
Wedn'y 23	Special	11.30	.....	1430 Harford ave.	Geo. E. McNeil.	Shed.	.....	.....	One-story frame shed.	Loss, $5.00; overflow of gasoline oil.
Wedn'y 23	624	.....	3.56	1130 Peach alley.	Maggie Kraus.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 4.04 p. m.; curtain ignited by flames of gasoline stove.
Wedn'y 23	Special	.....	8.15	2802 Elliott st.	Selena Sauerwald.	Dwelling.	.....	.....	Three-story brick.	Loss, $17.50; explosion of a coal-oil lamp.
Thurs'y 24	459	12.32	.....	1511 W. Lafayette ave.	Samuel McGlennen.	Stable.	8, 13	10	Two-story brick.	Loss, $98.51. Recall 1.45 a. m.; unknown.

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Thurs'y 24	35	3.31	.....	1000 Linden ave.	Joseph Hancock	Store and dwelling.	7	1	Three-story brick.	Loss, $79.68. Recall 4.29 a. m.; unknown.
Thurs'y 24	421	6.42	.....	661 W. Lexington st.	Nicholas Reiter.	Grocery store and dwelling.	.....	2	Three and a-half story brick.	Loss, $15.00. Recall 7.04 a. m.; sparks from chimney.
Thurs'y 24	324	8.38	.....	956 Druid Hill.	Annie Dixon.	Dwelling.	.....	4	Two and a-half story brick.	Loss, $50.00. Recall 9.03 a. m.; upsetting gasoline stove
Thurs'y 24	238	9.28	.....	909 N. Gay st.	Damaniea Buttanae.	Fruit store and dwelling.	9	2	Three-story brick.	Loss, $10.00. Recall 9.36 a. m.; leaking gasoline lamp.
Thurs'y 24	318	.....	7.55	18 Barnett st.	Emil Kirchner.	Dwelling.	4	2	Two-story brick.	Loss, $125.00. Recall 8.25 p. m.; upsetting coal-oil lamp.
Thurs'y 24	318	.....	10.15	18 Barnett st.	Emil Kirchner.	Dwelling.	.....	.....	Three-story brick	Loss, $———. Recall 10.25 p. m.; rekindling of previous fire.
Friday 25	215	.....	10.45	230 Rogers ave.	Barnet Leibowitz.	Rag warehouse.	3, 6, 9	1	Two-story brick.	Loss, $553.50. Recall 12.53 a. m.; spontaneous combustion.
Satur'y 26	Silent.	12.17	....	502 W. Lexington st.	Frank Seigfried.	Paper warehouse.	1	.....	Three-story brick.	Loss, $———. Unknown.

Satur'y 26	387	8.30	.....	2812 Pensylvania ave.	Charles W. Street	Smokehouse.	13,2 Chem	10	One-story brick.	Loss, $754.93. Recall 9.56 a. m.; overheated smokehouse.
Satur'y 26	741	10.19	.....	708 Gorsuch ave.	Samuel Green.	Dwelling.	4 Chem.	.....	Two and a-half story frame.	Loss, $110.00. Recall 10.54 a.m.;badly constructed flue
Satur'y 26	Special	.....	1.30	414–416 N. Front st.	Thomas Musgrove and others.	Leather refinery and furniture store.	.....	.....	Three-story brick.	Loss, $———. Boiling over of a pot of fat.
Satur'y 26	Silent.	.....	5.15	1238 Cross st.	Frank Le Doyer.	Mfg. patent shoe polish.	10	... .	Two-story brick.	Loss, $10.00. Explosion of chemicals.
Satur'y 26	158	.....	7.58	837 S. Bond st.	Frank Laruatski	Grocery store and dwelling.	.....	3	Two and a-half story brick.	Loss, $50.00. Recall 8.19 p. m.; vapor from gasoline.
Satur'y 26	359	.....	8.12	933 Madison ave.	Nelson Walker.	Stable and carpenter shop.	1, 7	4	Two-story brick.	Loss, $45.00. Recall 8.48 p. m.; unknown.
Sund'y 27	254	12.43	.....	1714 Greenmount ave.	Edward Knox.	Grocery store and dwelling	19	5	Three-story brick	Loss, $55.75. Recall 1.19 a. m.; slacking lime in barrel.
Sund'y 27	Silent.	1.46	.....	132 Madison ave.	Charles E. Simon	Dwelling.	7	.....	Three-story brick.	Loss, none. Unknown.
Sund'y 27	291	3.04	.....	2515 Barclay st.	Columbus Nicholas.	Dwelling.	.....	11	Three-story brick.	Loss, $40,00. Recall 3.35 a. m.; curtain ignited by coal-oil lamp.
Sund'y 27	146	10.17	.....	815 E. Pratt st.	Ida Salakowitz.	Tenement.	.....	.....	Two-story brick.	Loss, none. Recall 10.25 a. m.; leaking gasoline stove.
Sunday 27	451	.....	8.32	504 N. Calhoun st	J. C. Niver.	Dwelling.	.....	.....	Three-story brick.	Loss, $5.00. Recall 8.42 p. m.; explosion of a coal-oil lamp.

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Mond'y 28	464	11.57	.....	27 S. Calhoun st.	John Gibbs.	Dwelling.	.....	.....	Three-story brick.	Loss, $35.00. Recall 12.10 p. m.; explosion of a gasoline stove.
Mond'y 28	365	.....	9.59	583 Union st.	Charles Hess.	Grocery store and dwelling	.....	.....	Two-story brick.	Loss, $15.00. Recall 10.08 p. m.; unknown.
Tues'y 29	128	12.39	.....	15 S. Frederick st.	Unoccupied.	Warehouse.	3	1	Three-story brick.	Loss, none. Recall 12.58 a. m.; unknown.
Tues'y 29	Silent.	2.52	.....	900 E. Pratt st.	M. Miller and others.	Cloak factory	3	.....	Four story brick.	Loss, $15.00. Supposed carelessness with matches.
Tues'y 29	214	.....	3.00	1002 E. Fayette st.	David Singer.	Dwelling.	6	1	Three-story brick.	Loss, none. Recall 3.14 p. m.; unknown.
Wedn'y 30	562	3.30	.....	1521 Hanover st.	Ernest Young.	Chicken coop.	12	6	One-story frame.	Loss, $11.00. Recall 3.56 a. m.; unknown.
Wedn'y 30	Silent.	11.15	.....	681 Columbia ave.	Michael A. Ritter.	Dwelling.	10	.....	Two-story brick.	Loss, $15.00; explosion of a gasoline stove.
Thurs'y 31	Silent.	4.15	.....	S. W. cor. Pratt and President sts	James Bates.	Vacant lot.	3	.....	.....	Loss, none. Unknown.
Thurs'y 31	173	.....	4.08	603 S. Port st.	Lena Norr.	Shed.	.....	.....	One-story frame.	Loss, none. Recall 4.13 p. m.; pot of soup boiling over.

Thurs'y 31	Silent.	.....	8 50	901 Columbia ave.	Fredk. Fisher.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Upsetting a coal-oil lamp.
Thurs'y 31	318	.....	11.40	334 N. Charles st.	Louis Mayer.	Decorator and ladies' tailor	4	2	Three-story brick.	Loss, $207.80. Recall 12.15 a. m.; unknown.
June.										
Friday 1	531	7.09	.....	514 S. Fremont st.	Charlotte Deitz.	Kitchen.	10	2	One-story frame.	Loss, none. Recall 7.27 a. m.; filling lighted gasoline stove.
Friday 1	229	.....	7.35	2024 E. Fayette st.	Henry Strohminger.	Shed.	9	3	One-story frame.	Loss, $16.00. Recal 7.53 p. m.; explosion of a gasoline stove.
Friday 1	161	.....	8.30	517 Chapel st.	Jacob Clay.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 8.40 p. m.; carelessness.
Friday 1	Special	.....	10.30	2828 Dillon st.	Herman Smith.	Dwelling.	.....	.....	Two-story brick.	Loss, $15.00; percussion cap of a toy pistol.
Satur'y 2	623	7.26	.....	904 Hanover st.	George Herbert.	Dwelling.	.....	.....	Three-story brick.	Loss, $15.00. Recall 7.33 a. m.; explosion of a gasoline stove.
Satur'y 2	269	.....	2.23	2541 E. Monument st.	John Moffit.	Dwelling.	9	.....	Two-story brick.	Loss, $43.00. Recall 2.40 p. m.; defective flue.
Satur'y 2	393	.....	5.54	3309 Chestnut ave.	Wesley Philips.	Dwelling.	21	9	Two-story brick.	Loss, $74.00. Recall 6.55 p. m.; defective flue.
Sunday 3	527	.....	8.39	314-316 Camden st	Jerome Joyce.	Hotel.	.....	2	Four-story brick.	Loss, none. Recall 9.04 p. m.; burning chimney.

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Monday 4	573	12 23	.....	Mt. Holly, south of Windsor Mill road.	Unoccupied.	Hotel.	13, 20	.....	Four-story frame.	Loss, $——. Recall 9.04 p. m.; unknown.
Monday 4	467	12.28	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 12.59 a. m.; box pulled for preceding fire.
Monday 4	261	5.44	.....	1240 E. Eager st.	Caroline Holtman.	Confectionery store and dwelling.	9, 19	5	Three-story brick.	Loss, $197.55. Recall 6.09 a. m.; unknown.
Monday 4	Special	10.50	.....	2846 Parkwood ave	Claude Banner.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Explosion of a coal-oil stove.
Tues'y 5	429	8.01	.....	1319 W. Baltimore st.	Mary Fitzsimmons.	Stable.	.....	.....	Three-story brick.	Loss, none. Recall 8 11 a. m.; unknown.
Tues'y 5	615	8.18	.....	1427 Covington st. 1425 Covington st. 1429 Covington st. 1423 Covington st. 1431 Covington st.	George Tapman. Daniel Voglegesang. Daniel Williams Joseph Richards Unoccupied.	Dwelling.	2, 12, 17	6	Two-story brick.	Loss, $1,832.33. Recall 10.01 a. m.; explosion of a gasoline stove.
Tues'y 5	231	.....	12.20	1536 Orleans st.	William Degele.	Confectionery store and dwelling.	9	3	Three-story brick.	Loss, $83.85. Recall 12.31 p. m.; unknown.
Tues'y 5	Special	.....	5.15	912 W. Saratoga st.	Hugo Weber.	Dwelling.	....	.....	Three-story brick.	Loss, $25.00 Unknown.

Tues'y	5	Silent.	.....	8.50	413 Ensor st.	Hollander and Wolman.	Buttonhole factory.	6	... .	Two-story and attic brick.	Loss, none. Unknown.
Wedn'y	6	474	11.06	.....	1010 N. Fulton ave 1008 N Fulton ave	R. McKindlass. R. S. Dashell.	Outhouse.	14	.....	One-story frame.	Loss, $75.00. Recall 11.29 a. m.; burning rubbish in yard.
Wedn'y	6	237	.....	12.21	424 N. Washington st.	Gusdorf Schroeder.	Dwelling.	.....	.....	Three-story brick.	Loss, $36.00. Recall 12.35 p. m.; overflow of gasoline stove.
Wedn'y	6	Special	.....	8.15	704 S. Charles st.	John N. Smith.	Dwelling.	.....	.....	Three-story brick.	Loss, $29.65. Explosion of a coal-oil lamp.
Wedn'y	6	141	.....	11.37	318 President st.	Lewis Morosi.	Saloon and dwelling.	3	3	Four-story brick.	Loss, $15.00. Recall 11.53 p. m.; unknown.
Thurs'y	7	362	.....	2.38	938 Elm place.	Joseph Mason.	Dwelling.	.....	4	Three-story brick.	Loss, $22.50. Recall 2.47 p. m.; unknown.
Thurs'y	7	365	.....	8.28	1013 Pennsylvania ave.	Thomas Orem.	Eating saloon	.....	.....	One-story frame.	Loss, none. Recall 8.34 p. m.; explosion of a gasoline stove.
Friday	8	Silent.	.....	12.10	815 E. Lombard st.	Jos. Edlowitch.	Dwelling.	3	.....	Three-story brick.	Loss, none. Leaking gasoline stove.
Friday	8	523	.....	6.55	514 S. Eutaw st.	Joseph Schlitz.	Beer bottling house.	1, 2, 10, 15	2, 6	Four-story brick.	Loss, $75.00. Recall 7.41 p. m.; unknown.
Satur'y	9	531	11.21	.....	726 Iceland st.	Rachael Dowell.	Dwelling.	8, 10, 15	2	Two and a-half story brick.	Loss, $336.68. Recall 12.00 m.; explosion of a gasoline stove.

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Satur'y 9	Silent.	.....	10.15	1125 Clarkson st.	William Scott.	Dwelling.	.....	6	Two-story brick.	Loss, none. Explosion of a gasoline stove.
Satur'y 9	438	.....	11.32	818 W. Pratt st.	Frank Sheridan.	Tenement.	8, 10, 15	2	Four-story brick.	Loss, $214.84. Recall 12.32 a. m.; unknown.
Sunday 10	233	1.10	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.20 a. m.; false alarm.
Sunday 10	214	9.19	.....	139 N. Exeter st.	Isabella Hamline.	Dwelling.	.....	1	Two-story and attic brick.	Loss, $48.95. Recall 9.25 a. m.; unknown.
Sunday 10	313	11.32	.....	419 St. Paul st.	Mrs. Annie R. Tripp.	Dwelling.	7	.....	Three and a-half story brick.	Loss, $6.77. Recall 11.50 a. m.; unknown.
Sunday 10	Silent.	.....	2.50	Mt. Holly.	Unoccupied.	Ruins.	20	.....	Three story brick.	Loss, $——. Smoldering ruins.
Mond'y 12	Silent.	.....	2.48	1709 Barnes st.	James Shabek.	Dwelling.	9	.....	Three-story brick.	Loss, $34.75. Unknown.
Mond'y 11	21	.....	4.44	214 N.Frederick st	Unoccupied.	Dwelling.	4	1	Three-story brick.	Loss, $18.50. Recall 4.56 p. m.; sparks from chimney.
Mond'y 11	162	.....	9.02	1807 Lancaster st.	Joseph Dyink.	Dwelling.	.....	3	Three-story brick.	Loss, $20.00. Recall 9.20 p. m.; carelessness with matches.

Mond'y 11	362	.....	11.36	425 Myrtle ave.	Maria Glover.	Dwelling.	8	.....	Two and a-half story brick.	Loss, $40.00. Recall 12.00 p. m.; explosion of a coal-oil lamp.
Tuesd'y 12	279	.....	2.56	2433 Jefferson st.	Lewis Buddenheim.	Dwelling.	9	.....	Two-story brick.	Loss, none. Recall 3.08 p. m.; overflowing of coal oil.
Tuesd'y 12	432	.....	4.20	Mt. Clare Yard.	B. & O. R.R. Co	Box-car.	8, 10	2	One-story frame.	Loss, $78.00. Recall 4.52 p. m.; unknown.
Tuesd'y 12	39	.....	6.57	2330 Etting st.	H. Lee.	Dwelling.	2 Chem.	10	Two-story brick.	Loss, $80.00. Recall 7.26 p. m.; unknown.
Wedn'y 13	636	.....	6.29	Foot of Fort ave.	Blase La Sewola	Fruit stand.	17	.....	One-story frame.	Loss, $40.00. Recall 6.42 p. m.; explosion of a gasoline stove.
Thurs'y 14	633	2.49	.....	32–34 Montgomery st.	Henry Campen & Co.	Tin can factory.	2, 10, 12	6	Three-story brick.	Loss, $14,336.48. Recall 7.12 a. m.; unknown.
Thurs'y 14	Silent.	8.41	.....	1034 Castle st.	Wm. Moore.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Burning sulphur.
Thurs'y 14	56	11.21	.....	910 Sharp st.	Elizabeth Metz.	Dwelling.	.....	6	Three-story brick.	Loss, $31.10. Recall 11.31 a. m.; explosion of a gasoline stove.
Thurs'y 14	298	.....	3.59	610 Wynoke ave.	Mrs. T. Krebs Dukehardt.	Dwelling.	.....	7	Two and a-half story frame.	Loss, $68.15. Recall 4.38 p. m.; explosion of a coal-oil stove.
Thurs'y 14	Special	.....	3.55	N. W. cor. Greenmount & North aves.	Joseph Castleberg.	Booth.	.....	.....	One-story frame.	Loss, $15.00. Unknown.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Friday 15	425	10.19	.....	7 Amity st.	Wm. F. Smith.	Dwelling.	.....	.....	Two-story brick.	Loss, $49.00. Recall 10.43 a. m.; children playing with matches.
Friday 15	Silent.	11.47	.....	18-20 Hopkins Pl.	John E. Hurst & Co.	Dry goods store.	.....	.....	Six-story brick.	Loss, none. Smoke issuing from furnace pipe.
Satur'y 16	64	10.51	.....	1700 Light st.	Andrew H. Weaver.	Grocery store and dwelling.	.....	.....	Three-story brick.	Loss, $107.42. Recall 11.03 a. m., unknown.
Satur'y 16	Special	.....	12.10	1462 Harford ave.	Stephen Eisenhauser.	Dwelling.	.....	.....	Two and a-half story brick.	Loss, none. Unknown.
Satur'y 16	155	.....	12.43	337 S. Caroline st.	John Firman.	Dwelling.	.....	.....	Three-story brick.	Loss, $25.00. Recall 12.57 p. m.; leaking gasoline stove.
Satur'y 16	562	.....	12.46	1523 Hanover st.	Wm. F. Johnson	Dwelling.	.....	.....	Three-story brick.	Loss, $13.40. Recall 12.52 p. m.; explosion of a gasoline stove.
Satur'y 16	Silent.	.....	12.50	1629 Thames st.	Unoccupied.	Dwelling.	16	.....	Three-story brick.	Loss, $16.50. Unknown.
Satur'y 16	Silent.	.....	7.33	213 E. Fayette st.	Wm. Baumgartner & Co.	Mnfg. ink, stencil and stamps.	4	.....	Four-story brick.	Loss, none. Gas jet igniting a pot of ink.
Satur'y 16	Silent.	.....	9.17	1641 N. Bond st.	H. W. Holtgreve	Grocery store and dwelling	9	.....	Two story brick.	Loss, $159.25. Explosion of a coal-oil stove.

Sunday 17	381	.....	5.20	1502 N. Stricker st	G. J. Schulte.	Bakery and dwelling.	.....	10	Two-story brick.	Loss, $59.75. Recall 11.50 a. m.; heat from oven igniting gasoline.
Sunday 17	163	.....	5.20	1901 Lamley st.	James Tillman.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 5.34 p. m.; burning chimney.
Sunday 17	Silent.	.....	7.25	2229 Bank st.	Geo. W. Rouse.	Grocery store and dwelling.	11	.....	Three-story brick.	Loss, $36.00. Defective flue.
Mond'y 18	121	7.13	.....	N. W. cor. South and Water sts.	E. N. Morison & Co.	Office building.	3	1	Two-story stone.	Loss, $100.00. Recall 7.27 a. m.; crossed electric and telegraph wires.
Mond'y 18	Automatic. 881	.....	12.20	504 Hargrove alley	P. T. George & Co.	Meat-packing establishment.	.....	.....	Three-story brick.	Loss, none. Recall 12.31 p. m.; false alarm.
Mond'y 18	Silent.	.....	12.53	106–108 Sharp st.	Benedict Bros.	Shirt factory.	.....	.....	Six-story brick.	Loss, none. Electric wire.
Mond'y 18	Silent.	.....	2.00	418 N. Gay st.	Thomas Buckley	Saloon and dwelling.	6	.....	Two-story and attic brick.	Loss, $6.25. Heat from gas stove.
Mond'y 18	Silent.	.....	6.55	5–7 N. Paca st.	Myer Fox.	Livery stable.	1	.....	Two-story brick.	Loss, none. Unknown.
Mond'y 18	212	.....	7.15	16 N. Harrison st.	Max Tucker.	Clothing store and dwelling	4	1	Three-story brick.	Loss, $107.74. Recall 7.26 p. m.; explosion of a gasoline stove.
Mond'y 18	425	.....	9.31	864 W. Fayette st.	Bettie Clayton.	Dwelling.	.....	.....	Three-story brick.	Loss, $30.00. Recall 9.52 p. m.; vapor of gasoline ignited by gas jet.

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Mond'y 18	145	.....	10.33	4 S. Central ave.	Simon Cohen.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 10.42 p. m.; falling coal-oil lamp.
Tuesd'y 19	526	10.52	.....	215 Sharp st.	Ludwig Carroll.	Dwelling.	2	2	Three-story brick.	Loss, $66.22. Recall 11.07 a. m.; explosion of a gasoline stove.
Tuesd'y 19	147	.....	4.25	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.33 p. m; false alarm.
Tuesd'y 19	244	.....	4.27	837 Willow st.	Winifred Farrow	Dwelling.	.....	5	Two-story brick.	Loss, $18.50. Recall 9.03 p. m.; explosion of a gasoline stove.
Tuesd'y 19	Special	.....	9.15	20 S. Broadway.	T. C. McGuire.	Dwelling.	.....	.....	Three-story brick.	Loss, $63.87. Unknown.
Wedn'y 20	523	.....	8.02	418 S. Eutaw st.	Maggie Wombey	Dwelling.	2	.....	Two-story frame.	Loss, $61.68. Recall 8.19 p. m.; unknown.
Wedn'y 20	244	.....	8.48	885-889 Greenmount ave.	Greenmount Iron Foundry.	Storage-house	6	5	Three-story brick.	Loss, $2.50. Recall 9.03 p. m.; overheated stacks on cupola.
Wedn'y 20	Silent.	.....	4.23	251 S. Regester st.	Charles Scherer.	Stable.	.....	3	One-story frame.	Loss, $15.00. Unknown.
Wedn'y 20	Silent.	.....	9.13	418 S. Eutaw st.	Maggie Wombey	Dwelling.	2	.....	Two-story brick.	Loss, none. Caused by previous fire.

Thurs'y 21	624	.....	12.19	140 W. Cross st.	Catherine Riser.	Shed.	.....	6	One-story frame.	Loss, none. Recall 12.35 p. m.; explosion of a gasoline stove.
Thurs'y 22	471	.....	6.48	1805 Edmondson ave.	Mrs. Charles Hern.	Shed.	.....	10	One-story frame.	Loss, none. Recall 6.58 p. m; fireworks.
Thurs'y 21	142	.....	8.13	229 S. Exeter st.	William Becker.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 8.23 p. m.; curtain ignited by gas jet.
Thurs'y 21	235	.....	9.20	1921 E. Monument st.	Albert Burker.	Dwelling.	9	.....	Three-story brick.	Loss, $72 25. Recall 9.35 p. m.; unknown.
Thurs'y 21	Special	11.30	.....	N.W.cor. North & Greenmount aves	Thomas McNulty.	Booth.	.....	.....	One-story frame.	Loss, $20.00. Unknown.
Friday 22	372	.....	5.09	1313 N. Stricker st	Samuel R. Boyd.	Dwelling.	.....	10	Two-story brick.	Loss, $51.85. Recall 5.26 p. m.; children playing with matches.
Friday 22	456	.....	8.27	1300 W. Lexington st.	Mrs. C. H. Forrest.	Dwelling.	8	.....	Three-story brick.	Loss, $45.00. Recall 8.35 p. m.; curtain ignited by lighted gas jet.
Satur'y 23	Silent.	4.34	.....	325 S. Howard st.	William Brown.	Dwelling.	8	.....	Three-story brick.	Loss, $45.00. Unknown.
Satur'y 23	422	4.52	.....	317 Garrett st.	Israel Griffith.	Carpenter shop.	1, 15	2	Two-story brick.	Loss, $106 31. Recall 5.33 p. m.; unknown.
Satur'y 23	373	.....	1.39	1309 N. Fremont ave.	Jesse Forman.	Dwelling.	.....	10	Three-story brick.	Loss, $25.00. Recall 2.02 p. m.; burning chimney.
Satur' 23	21	.....	2.24	225–231 N. Frederick st.	Frank Eline and others.	Calcium factory.	.....	1	Three-story brick.	Loss, none. Recall 2.41 p. m.; explosion of gas.

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Satur'y 23	452	.....	5.13	301 N. Mount st.	A. L. Meeks.	Scouring establishment	.....	10	Three-story brick.	Loss, $15.00. Recall 5.36 p. m.; explosion of gasoline stove.
Satur'y 23	162	.....	8.27	1927 Aliceanna st.	Caroline Klehm.	Confectionery store and dwelling.	.....	3	Three-story brick.	Loss, $39.65. Recall 8.37 p.m.; carelessness with matches.
Sunday 24	Silent.	4.30	.....	838 N. Stricker st.	A. Harman.	Laundry and dwelling.	.....	10	Three-story brick.	Loss, $15.00. Explosion of a gasoline stove.
Sunday 24	38	.....	2.34	1514 Fremont ave.	Thomas Webb.	Stable.	13	10	One-story frame.	Loss, $18.00. Recall 2.48 p. m.; unknown.
Sunday 24	Silent.	.....	10.37	409 Forrest st.	Barnet Krieger.	Grocery store and dwelling.	6	.....	Three-story brick.	Loss, $30.00. Curtain ignited by lighted candle.
Mond'y 25	226	7.10	.....	339 Forrest st.	Morris Rosenthal.	Tailor shop.	.....	.....	Three-story brick.	Loss, $76.10. Recall 7.30 a. m.; explosion of a gasoline stove.
Mond'y 25	49	10.40	.....	2117 W. Fayette st	W. N. Hildebraut.	Carpenter shop.	.....	.....	One-story frame.	Loss, none. Recall 10.58 a. m.; lighted match ignited oakum.
Mond'y 25	Silent.	11.36	.....	519 Columbia ave.	Joseph Wolfe.	Tenement.	.....	.....	Three-story brick.	Loss, $10.00. Explosion of a gasoline stove.

Mond'y 25	Silent.	.....	2.05	1028 E. Lombard st	Louis Sacks.	Tenement.	3	.....	Three-story brick.	Loss, $20.50. Carelessness with a lighted candle.
Mond'y 25	Silent.	.....	4.00	1706 Thames st.	Mary McConnell	Dwelling.	16	.....	Two-story and attic brick.	Loss, none. Fireworks.
Mond'y 25	38	.....	5.32	2201 Pennsylvania ave.	H. D. Eidman & Bro.	Feed store and dwelling.	13	10	Three-story brick.	Loss, $225.00. Recall 6 00 p. m.; upsetting gasoline stove.
Mond'y 25	155	.....	10.49	4 Cook's Court.	Unoccupied.	Dwelling.	5	3	Two-story brick.	Loss, none. Recall 11.06 p. m.; unknown.
Tuesd'y 26	214	7.21	.....	1009 E. Fayette st.	Abraham Cohen.	Tailor shop.	3	1	Three-story brick.	Loss, $6.00. Recall 7.33 a. m.; sparks from chimney.
Tuesd'y 26	143	10.05	.....	1068 Granby st.	Abraham Jacobs	Shed.	3	3	One-story frame.	Loss, none. Recall 10.27 a. m.; flames from gasoline stove.
Tues'dy 26	Silent.	10.50	.....	1102 Federal st.	James Working	Summer kitchen.	.....	5	One-story frame.	Loss, $98.00. Explosion of a gasoline stove.
Wedn'y 27	261	9.14	.....	1429 E. Eager st.	John A. Miller.	Dwelling.	.....	5	Three-story brick.	Loss, $32.05. Recall 9.26 a. m.; unknown.
Wedn'y 27	381	9.53	.....	1538 Newington Pl	James Donaldson.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 10.03 p. m.; gasoline stove taking fire.
Wedn'y 27	214	.....	1.14	101 N. Exeter st.	Philip Freidman	Grocery store and dwelling	3	1	Three-story brick.	Loss, $174.00. Recall 1.30 p. m.; explosion of a gasoline stove.

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Wedn'y 27	179	.....	4.49	118 N. Rose st.	Wm. Ratke.	Dwelling.	9	.....	Two-story brick.	Loss, $62.50. Recall 5.07 p. m.; flame from gasoline stove.
Thurs'y 28	Silent.	9.48	.....	1336 Hanover st.	Elizabeth M. Athiea.	Dwelling.	6	.....	Three-story brick.	Loss, none. Explosion of a gasoline stove.
Thurs'y 28	547	9.50	.....	N. E. cor. Howard and Stockholm sts.	M. D. Wilfson.	Furniture factory.	2, 10, 12, 15, 17	2, 4	Five-story brick.	Loss, $2,889.30. Recall 11.33 a. m.; unknown.
	2d alarm.	9.55	.....							
Thurs'y 28	38	.....	12.29	1503 Carey st.	Mrs. Mamie Darnell.	Dwelling.	13	.....	Two-story brick.	Loss, none. Recall 12.50 p. m.; children playing with matches.
Thurs'y 28	523	.....	9.06	514 S. Eutaw st.	Joseph Schlitz.	Brewery.	.....	.....	Four-story brick.	Loss, none. Recall 9.22 p. m.; unknown.
Thurs'y 28	521	.....	9.55	220–222 S. Charles st.	C. F. Horwitz & Co.	Cigar factory.	1, 2, 4, 10, 12, 15	1, 2, 5, 6	Four-story brick.	Loss, $13,770.75. Recall 11.55 p. m.; overheated stove.
	2d alarm.	.....	10.01							
Friday 29	145	6.11	.....	1428 E. Baltimore st.	Simon Schaeffer	Cigar store and dwelling	3	3	Two-story and attic brick.	Loss, $5.00. Recall 6.25 a. m.; sparks from chimney.
Friday 29	Silent.	8.23	.....	136 West st.	Bessie Glick.	Grocery store and dwelling	.....	6	Two-story brick.	Loss, none. Children playing with matches.

Friday 29	714	11.32	.....	1511 Orem ave.	George M. Hinnick.	Dwelling.	.....	10	Two-story brick.	Loss, $53.00. Recall 11.50 a. m.; explosion of a coal-oil stove.
Friday 29	289	.....	8.14	2406 Montebello ave.	Harrison Kidd.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 8.24 p. m.; reflection of an open grate fire.
Satur'y 30	Special	1.20	.....	855 Raborg st.	Mary Harris.	Dwelling.	.....	.....	Three-story brick.	Loss, $15.00. Lighted match thrown on floor.
Satur'y 30	623	11.26	.....	15 W. Church st.	Thomas Armstrong.	Outhouse.	.....	6	One-story brick.	Loss, $47.00. Recall 11.38 a. m.; unknown.
Satur'y 30	273	.....	9.21	1600 N. Gay st.	Chas. T. Freyer.	Drug store and dwelling	.....	.....	Three-story brick.	Loss, $101.30. Recall 9.34 p. m.; dropping a lighted match.
Satur'y 30	425	.....	9.26	926 W. Baltimore st.	A. Berkovitz.	Grocery store and dwelling	.....	.....	Two and half-story brick.	Loss, $10.00. Recall 9.34 p. m.; explosion of a can of gasoline.
Satur'y 30	39	.....	9.27	135 Cumberland st	Henry Weinberg.	Dwelling.	.....	.....	Three-story brick.	Loss, $15.00. Recall 9.39 p. m.; explosion of a coal-oil lamp.
Satur'y 30	31	.....	9.42	344-350 N. Calvert st	Boys' Home.	Boarding house.	4	.....	Three-story brick.	Loss, $15.00. Recall 9.58 p. m.; unknown.
July										
Sunday 1	Silent.	12.30	.....	110 W. Montgomery st.	Mrs. Fannie Smallwood.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Burning chimney.

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Sunday 1	332	.....	5.20	883 Madison ave.	Lankau Bros.	Cigar store and dwelling	.....	4	Two-story brick.	Loss, $25.00. Recall 5.33 p. m.; lighted match thrown on awning.
Monday 2	515	5.08	.....	305 W. Lombard st	Wm. Harris, Son and others.	Brass foundry	1, 2, 4, 10, 15	1, 2	One-story frame and three-story brick.	Loss, $6,793.64. Recall 7.10 a. m.; unknown.
Monday 2	381	8.50	.....	1417 Vincent alley	Howard Horsie.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 8.59 a. m.; unknown.
Monday 2	Silent.	9.39	.....	124 N. Greene st.	George Billa.	Dwelling.	1	.....	Three-story brick.	Loss, $18.50. Unknown.
Monday 2	Silent.	10.38	.....	1742 Harford ave.	Charles Coates.	Dwelling.	19	.....	Two-story brick.	Loss, $125.00. Children playing with matches.
Mond'y 2	358	.....	3.48	Guilford ave.	City of Balto.	Bridge.	.....	.....	.....	Loss, none. Sparks from locomotive.
Mond'y 2	497	.....	8.06	2100 Herbert st.	William Buff.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 8.20 p. m.; explosion of a gasoline stove.
Mond'y 2	Silent.	.....	9.04	606 E. Fayette st.	G. Grill & Son.	Wood-designing shop.	.....	1	Two-story brick	Loss, none. Heat from coal-oil lamp
Mond'y 2	Silent.	.....	3.40	2546 Woodbrook ave.	James H. Mimken.	Shed.	2 Chem.	.....	One-story frame.	Loss, $15.00. Overheated stovepipe.

Monday 2	Silent.	7.17	.....	624 Scott st.	William Meeks.	Dwelling.	10	.....	Three-story brick.	Loss, none. Explosion of a gasoline stove.
Monday 2	Special	8.05	.....	1914 Patapsco st.	Francis Swartz.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Explosion of a gasoline stove.
Tuesday 3	26	.....	3.07	718 N. Gay st.	John Moore.	Dwelling.	6	5	Two-story and attic brick.	Loss, $13.32. Recall 3.28 p. m.; fireworks.
Tuesday 3	Silent.	.....	4.10	106 Harrison st.	Peter Freedman	Dwelling.	.....	1	Three-story brick.	Loss, none. Fireworks.
Tuesday 3	216	.....	9.37	408 Lewis st.	Albert Dennis.	Dwelling.	.....	1	Two-story brick.	Loss, $20.00. Recall 9.53 p. m.; fireworks.
Tuesday 3	562	.....	10.01	1706 Patapsco st.	Sebastian Stump	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 10.11 p. m.; flames from gasoline stove
Tuesday 3	177	.....	11.04	21 N. Port st.	John Kram.	Pigeon house	11	3	One-story frame.	Loss, $81.00. Recall 10.48 p. m.; fireworks.
Wed'y 4	613 2d alarm.	1.05	.....	Foot of Montgomery st.	Moore & Brady.	Packing house	2, 12, 15, 16, 17	2, 6	Two-story brick.	Loss, $20,017.56. Recall 4.26 a. m.; spontaneous combustion.
	3d alarm.	1.13	.....							
		1.13	.....							
Wedn'y 4	215	7.25	.....	208 Rogers ave.	Annie Adler.	Dwelling.	6	.....	Two-story brick.	Loss, $10.00. Recall 7.32 a. m.; explosion of a gasoline stove.
Wedn'y 4	Silent.	9.20	.....	1526 Riverside ave	Conrad Michael.	Dwelling.	12	.....	Two and a-half story brick.	Loss, $62.50. Unknown.
Wedn'y 4	275	10.20	.....	1231 N. Gay st.	George Hesse.	Dwelling.	9	5	Three-story brick.	Loss, none. Recall 10.35 a. m.; fireworks.

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Wden'y 4	181	11.42	.....	3101 Elliott st.	Thomas Corns.	Junk shop and dwelling.	11	.....	Three-story brick.	Loss, $5.00. Recall 11.56 a. m.; fireworks.
Wedny' 4	346	.....	12.29	860 Tyson st.	Nathaniel Sumor	Dwelling.	7, 13	4	Two-story and attic brick.	Loss, $140.00. Recall 1.12 p. m.; fireworks.
Wedn'y 4	Silent.	.....	1.06	Bolton Yard.	B. & P. R. R. Co.	Car.	18	.....	.....	Loss, $40.00. Unknown.
Wedn'y 4	241	.....	3.04	836 Hillen st.	D. E. Finster.	Tin shop and dwelling.	6	1	Two-story and attic brick.	Loss, $20.00. Recall 3.13 p. m.; fireworks.
Wedn'y 4	164	.....	8.28	1917 Bank st.	Lewis Belzner.	Drug store and dwelling	.....	3	Three-story brick.	Loss, $15.00. Recall 8.32 p. m.; fireworks.
Wedn'y 4	Silent.	.....	8.34	404 Carrollton ave.	L. Colbourn.	Dwelling.	8	.....	Three-story brick.	Loss, $25.00. Fireworks.
Wedn'y 4	47	.....	8.52	226 Bruce st.	Martha Spriggs.	Dwelling.	14	10	Two-story brick.	Loss, $81.85. Recall 9.19 p. m.; fireworks.
Wedn'y 4	Silent.	.....	8.55	520 W. Biddle st.	Rufus Bennett.	Shed.	.....	4	One-story frame.	Loss, $20.00. Fireworks.
Wedn'y 4	214	.....	8.56	1123 E. Fayette st.	Bessie Roseman.	Dwelling.	.....	1	Two-story and attic brick.	Loss, $15.00. Recall ——; fireworks.
Wedn'y 4	213	.....	9.24	714 E. Lexington st.	Lexington Iron and Metal Co	Storage shed.	4, 6	1	One story frame.	Loss, $21.00. Recall 9.56 p. m.; fireworks.

Wedn'y	4	324	.....	9.29	1023 McCulloh st.	Mrs. M. Soudershoff.	Dwelling.	.....	.....	Three-story brick	Loss, $16.00. Recall 9.37 p. m.; fireworks.
Wedn'y	4	419	.....	10.26	311 Cohen alley.	Mrs. Helen Norton.	Dwelling.	7	2	Two-story and attic brick.	Loss, $55.00. Recall 10.56 p. m.; unknown.
Wedn'y	4	321	.....	10.56	640 Bradley st.	Unoccupied.	Dwelling.	1, 8	4	Two-story brick.	Loss, $50.00. Recall 11.24 p. m.; unknown.
Thurs'y	5	285	3.32	.....	S. E. cor. Gorsuch ave. and Van Buren st.	Unoccupied.	Barn.	5 Chem.	7	One-story frame.	Loss, $65.00. Recall 4.10 a. m.; fireworks.
Thurs'y	5	Automatic. 873	8.57	.....	N. E. cor. Howard and Saratoga sts.	Crook, Horner & Co.	Dealer in plumbers & machinists supplies.	.....	.....	Five-story brick.	Loss, none. Recall 9.06 a. m.; false alarm.
Thurs'y	5	319	.....	1.58	805 N. Charles st.	Dr. Alex. McConachie.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 2.03 p. m.; gas ignited by electric wire.
Thurs'y	5	521	.....	6.13	2 W. Pratt st.	W. S. Norris & Co.	Shirt factory.	.....	1, 2	Four-story brick.	Loss, $1,209.00. Recall 7 p. m.; unknown.
Thurs'y	5	416	.....	8.05	420 W. German st.	Adolphe Cohen.	Clothes manufacturer.	1, 2, 7, 15	2, 4	Four-story brick.	Loss, $2,041.12. Recall 8.59 p. m.; unknown.
Thurs'y	5	291	.....	8.18	2518 Barclay st.	Richard Beach.	Yard.	.....	.....	.....	Loss, none. Recall 8.23 p. m.; burning rubbish.
Thurs'y	5	Silent.	.....	9.05	1921 Frederick ave	John Brinsky.	Furniture store and dwelling.	.....	.....	Three-story brick.	Loss, none. Overflow of gasoline.

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Friday 6	Silent.	1.30	.....	Forest st.	John Ruzika.	Market cake stand.	6	.....	One-story iron and frame.	Loss, $25.00. Unknown.
Friday 6	362	.....	12.33	736 W. Franklin st	H. Amehein.	Dwelling.	....	.....	Three-story brick.	Loss, $14.68. Recall 12.46 p. m.; unknown.
Friday 6	Silent.	.....	12.43	740 E. Lombard st.	Louis Krenmer.	Dwelling.	....	.....	Three-story brick.	Loss, $20.00. Explosion of a gasoline stove.
Friday 6	318	.....	3.01	....	....	....	....	.....	....	Loss, none. Recall 3.06 p. m.; false alarm.
Friday 6	266	.....	8.06	1240 Edward st.	John W. Ayres.	Dwelling.	....	.....	Two-story brick.	Loss, none. Recall 8.13 p. m.; burning rubbish.
Friday 6	541	.....	10.35	406 Henrietta st.	Edward Johnson	Grocery store and dwelling	....	.....	Three-story brick.	Loss, none. Recall 10.43 p. m.; upsetting coal-oil lamp.
Saturd'y 7	731	12.12	.....	1900 N. Washington st.	Louis Heying.	Bakery and dwelling.	19 6 Chem.	5	Three-story brick.	Loss, $86.50. Recall 12.28 a. m.; overflow of gasoline.
Saturd'y 7	413	1.34	.....	221 W. Baltimore st	American Paint Co.	Manufrs. of paint.	4, 15	1, 2	Four-story brick.	Loss, $2,326.99. Recall 2.46 a. m.; unknown.
Saturd'y 7	231	.....	2.24	510 N. Broadway.	Wm. Stewart.	Outhouse.	9	.....	One-story frame.	Loss, $35.00. Recall 2.36 p. m.; unknown.

Saturd'y 7	561	.....	3.42	1325 Sharp st.	Thomas Murphy	Dwelling.	2, 12	6	Two-story brick.	Loss, $194.34. Recall 4.15 p. m.; children playing with matches.
Saturd'y 7	546 2d	.....	10.46	519 S. Howard st.	J. C. Textor & Bro.	Cooperage & stable.	1, 2, 7, 10, 12, 15	2, 4	One-story frame. Two-story brick.	Loss, $7,461.84. Recall 5.04 a. m.; unknown.
Saturd'y 7	alarm.	.....	10.55		James H. Ganter					
Saturd'y 7	423	.....	10.54	1100 W. Lexington st.	Emma Kelly.	Grocery store and dwelling	8	2	Three-story brick.	Loss, $125.35. Recall 11.46 p. m.; explosion of a gasoline tank.
Saturd'y 7	457	.....	11.02	11.32 Woodyear st.	Jennie Brown.	Dwelling.	.....	10	Two-story brick.	Loss, $25.00. Recall 11.18 p. m.; unknown.
Sunday 8	326	5.31	.....	1713, 1715, 1717 Pennsylvania ave	William Goldsmith.	Dry goods store and dwelling.	7, 8, 13	4	Three story brick.	Loss, $16,613.11. Recall 7.05 a. m.; unknown.
Sunday 8	315	.....	7.26	.....	.....	.....	.....	.....	.....	Loss, none. Recall 7.34 p. m.; false alarm.
Monday 9	Silent.	12.15	.....	812 N. Gilmor st.	Louis Wunder.	Bakery and dwelling.	.....	10	Two-story brick.	Loss, none. Burning chimney.
Monday 9	Silent.	5.05	.....	519 S. Howard st.	Jas. H. Gaither.	Stable.	2	.....	Two-story brick.	Loss, none. Rekindling of previons fire.
Monday 9	Silent.	8.35	.....	35 S. Ann st.	Jacob Dressel.	Dwelling.	.....	3	Three story brick.	Loss, $53.78. Explosion of a gasoline stove.
Monday 9	Special	.....	9.05	925 S. Paca st.	Annie Strohmer	Dwelling.	.....	.....	Three-story brick.	Loss, $54.00. Explosion of a coal-oil lamp.
Tuesd'y 10	.....	.....	1.39	1208 Hull st.	Patrick Flynn.	Dwelling.	.....	6	Two-story brick.	Loss, none. Recall 1.58 p. m.; defective flue.

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Tuesd'y 10	25	.....	4.08	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.12 p. m.; false alarm.
Tuesd'y 10	Silent.	.....	4.47	1532 Light st.	Milton Jones.	Stable.	12	.....	One-story frame.	Loss, $15.00. Children playing with matches.
Tuesd'y 10	145	.....	4.19	1240–1242 E. Fayette st.	Frederick Sternheimer & Co.	Rag warehouse.	3, 9	3	Three-story brick	Loss, $25.00. Recall 5.39 p. m.; spontaneous combustion
Tuesd'y 10	215	.....	8.10	1235 E. Lexington st.	John Magee.	Dwelling.	.....	.....	Two-story and attic brick.	Loss, none. Recall 8.25 p. m.; burning of a baloon.
Tuesd'y 10	44	.....	10.12	226 E. Baltimore st.	Michael Ganzhorn.	Hotel.	.....	.....	Five-story brick.	Loss, none. Recall 10.19 p. m.; bed clothes ignited by lighted gas jet.
Tuesd'y 10	461	.....	11.58	1816 Wilhelm st.	Joseph Snyder.	Dwelling.	14	10	Two-story brick.	Loss, $25.00. Recall 12.32 a. m.; unknown.
Wedn'y 11	167	9.35	.....	422 S. Regester st.	Richard Pabst.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 9.45 a. m.; heat from stove.
Wedn'y 11	156	10.58	.....	913–915 S. Broadway.	R. M. Spedden.	Oilhouse.	3, 5, 9, 11, 16	3	One-story frame	Loss, $909.20. Recall 12.52 p. m.; spontaneous combustion.

Wedn'y 11	Silent.	.....	1.38	13 Weyler st.	George W. Davis	Dwelling.	.....	6	Three-story brick.	Loss, none. Overheated gasoline stove.
Wedn'y 11	Silent.	.....	3.42	Centre st., north side.	City of Balto.	Bridge.	.....	.....	.....	Loss, none. Unknown.
Wedn'y 11	Silent.	.....	4.42	217 W. Lexington st.	Unoccupied.	Building.	.....	.....	Three-story brick.	Loss, $7.50. Unknown.
Wedn'y 11	415	.....	4.58	S. E. cor. Baltimore and Eutaw sts.	Friedenwald & Co.	Lithographing and printing.	.....	.....	Five-story brick.	Loss, none. Spontaneous combustion.
Wedn'y 11	Silent.	.....	7.25	1007 Watson st.	Moses Pollakoff	Dwelling.	3	.....	Two-story and attic brick.	Loss, $15.00. Explosion of a gasoline stove.
Wedn'y 11	Silent.	.....	9.34	126 W. Lanvale st.	William Brown.	Dwelling.	7	.....	Three-story brick.	Loss, $26.25. Mosquito net ignited by gas jet.
Thurs'y 12	639	12.01	.....	1301 Andrea st.	Henry Bing.	Saloon and dwelling.	17	6	Three-story brick.	Loss, $176.30. Unknown.
Thurs'y 12	45	8.48	.....	869 Raborg st.	Lizzie Chambers	Dwelling.	1, 8	2	Two-story brick.	Loss, $110.00. Recall 9.04 a. m.; explosion of a gasoline stove.
Thurs'y 12	427	.....	3.02	S. W. cor. Lexington and Green sts.	C. D. Kenny.	Coffee-roasting establishment.	1, 15	2	Four-story brick.	Loss, none. Recall 3.24 p. m.; explosion of vapor from gasoline.
Friday 13	482	.....	2.28	N. E. cor. Eagle and Payson st.	Lowenthal and Oppenheimer.	Coat-pad factory.	8, 14	10	One and two-story brick.	Loss, $437.80. Recall 4.02 p. m.; friction of machinery.
Friday 13	56	.....	6.44	933 Sharp st.	John Buckley.	Dwelling.	2, 10	6	Three-story brick.	Loss, $188.00. Recall 7.29 p. m., explosion of a gasoline stove.

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Friday 13	Special	.....	8.30	235 N. Schroeder st.	M. Meade.	Dwelling.	.....	11	Two-story brick.	Loss, $28.50. Explosion of a coal-oil stove.
Satur'y 14	288	9.29	.....	347 E. 24th st.	Jacob Gross.	Dwelling.	....	.....	Two-story brick.	Loss, $5.00. Recall 9.41 a. m.; explosion of coal-oil stove.
Satur'y 14	Special	9.30	.....	412 W. Conway st.	Martha Bowerman.	Dwelling.	.....	.....	Two and half-story brick.	Loss, $5.00. Sparks from chimney.
Satur'y 14	574	11.41	.....	Dolfield, south of Garrison ave.	Unoccupied.	Woods.	20, 3 Chem	.....	... .	Loss, none. Recall 1.03 p. m.; unknown.
Satur'y 14	213	.....	1.35	301 N. Gay st.	Isaac Eichengreen.	Shirt factory.	3, 4, 6, 9	1	Three-story brick.	Loss, $962.43. Recall 2.01 p. m.; unknown.
Sunday 15	394	.....	9.03	3422 Elm ave.	William Kane.	Dwelling.	....	.....	Two-story frame.	Loss, $25.00. Recall 9.15 p. m.; explosion of a coal-oil lamp.
Mond'y 16	247	7.31	.....	590 N. Gay st.	William Sheeler	Brush store and dwelling.	6, 9	5	Three-story brick.	Loss, $45.00. Recall 7.54 a. m.; unknown.
Mond'y 16	15	7.45	.....	226 S. Bond st.	Michael Butler.	Kitchen.	3, 5	3	One-story frame.	Loss, $345.00. Recall 8.26 a. m.; explosion of a coal-oil stove.

Mond'y 16	Silent.	8.20	.....	1600 Holbrook st.	George A. Ebersberger.	Outhouse.	19	5	One-story frame.	Loss, $33.00. Explosion of a barrel of gasoline.
Mond'y 16	Silent.	11.20	.....	213 S. High st.	Benjamin Miller	Dwelling.	3	.....	Three-story brick.	Loss, $20.00. Explosion of a gasoline stove.
Tuesd'y 17	489	7.48	.....	1911 W. Lanvale st	F. Ebphinstine.	Dwelling.	.....	10	Two-story brick.	Loss, $10.00. Recall 7.58 a. m.; upsetting a coal-oil stove
Tuesd'y 17	Special	9.15	.....	518 N. Chester st.	Mary E. Adams.	Kitchen.	.....	.....	One-story frame.	Loss, none. Explosion of a gasoline stove.
Tuesd'y 17	Silent.	.....	12.50	919 E. Pratt st.	Mary Morella.	Dwelling.	.....	3	Three-story brick.	Loss, $25.00. Unknown.
Tuesd'y 17	738	.....	3.19	402–404 Harford ave.	A. Dietrich & Son.	Carriage factory.	5 Chem.	.....	Two-story stone.	Loss, $125.00. Recall 3.38 p. m.; sparks from chimney.
Tuesd'y 17	534	.....	8.54	1110 S. Paca st.	Otto E. Hueg.	Dwelling.	.....	.....	Two-story brick.	Loss, $69.95. Recal 9.07 p. m.; explosion of a coal-oil lamp.
Tuesd'y 17	Silent.	.....	10.20	N.E.cor. Frederick and Lexington sts	Wm. Becker & Son.	Box factory.	.....	1	Four-story brick.	Loss, none. Burning soot in stack.
Tuesd'y 17	151	.....	11.01	37 S. Caroline st.	Martin Stenkert	Dwelling.	.....	3	Two and a half-story brick.	Loss, $21.00. Recall 11.17 p. m.; unknown.
Wedn'y 18	213	4.29	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.34 a. m.; false alarm.
Wedn'y 18	346	11.28	.....	209 W. Madison st	Dr. Griffith Davis	Dwelling.	7	4	Four-story brick.	Loss, $65.17. Recall 11.46 a. m.; unknown.

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Wedn'y 18	463	.....	12.06	401 Old Frederick road.	Wm. C. Hidry.	Dwelling.	14	8	Two-story and attic frame.	Loss, $278.05. Recall 1.07 p. m.; defective flue.
Wedn'y 18	Silent.	.....	12.27	Walbrook & Clifton aves.	Slingluff estate.	Vacant lot.	3 Chem.	.....	.....	Loss, none. Burning rubbish.
Wedn'y 18	Silent.	.....	5.10	2551 Pennsylvania ave.	Owen Crook.	Stable.	2 Chem.	.....	One-story frame.	Loss, none. Unknown.
Wedn'y 18	Silent.	.....	5.35	20 S. Albemarle st	Louis Freedman	Tenement.	3	.....	Three-story brick.	Loss, none. Explosion of a gasoline stove.
Wedn'y 18	Silent.	.....	5.35	6 North st.	Teano & Dentz.	Shaving parlor.	.....	.....	Four-story brick.	Loss, none. Unknown.
Wedn'y 18	153	.....	8.20	1502 Canton ave.	John Doyle.	Dwelling.	.....	.....	Two and a half story brick.	Loss, $15.00. Recall 8.29 p. m.; carelessness with matches.
Wedn'y 18	Silent.	.....	9.20	213–215 Camden st	Furst Bros. & Co	Picture frame factory.	2	.....	Five-story brick.	Loss, none. Unknown.
Wedn'y 18	6	.....	10.38	Foot of Calvert st.	John T. Flood.	Steam yacht.	.....	.....	.....	Loss, none. Recall 10.57, p m.; upsetting a lighted lantern.
Thurs'y 19	152	4.08	.....	203 S. Regester st.	Charles Rosinench.	Building.	5	3	One-story frame.	Loss, $165.00. Recall 4.47 a. m.; spontaneous combustion.

Thurs'y 19	.....	.....	.....	1739 E. Pratt st.	John Madison.	Building.	.....	.....	One-story glass and frame.	.....
Thnrs'y 19	62	.....	2.12	24 E. West st.	Chas. F. Chambers.	Dwelling.	.....	6	Three-story brick.	Loss, $82.56. Recall 2.39 p. m.; explosion of a gasoline stove.
Thurs'y 19	Silent.	.....	2.15	1404 Decatur st.	John Kelly.	Dwelling.	17	.....	Two-story brick.	Loss, $32.50. Explosion of a gasoline stove
Thurs'y 19	.....	.....	.....	1406 Decatur st.	John B. Mair.	Dwelling.	.....	.....	Two-story brick.	.....
Thurs'y 19	44	.....	10.03	13 South st.	Safe Deposit Co.	Safe Deposit Building.	.....	1	One-story stone and brick.	Loss, none Recall 10.15 p. m.; electric wire.
Friday 20	188	12.05	.....	3038 Boston st.	Maggie Cickowciz.	Stable.	5, 9, 11, 16	3	One-story frame.	Loss, 1,864.80. Recall 12.24 a. m.; supposed incendiary.
Friday 20	.....	.....	.....	3036 Boston st.	Mike H. Janorski.	Stable.	.....	.....	One-story frame.	.....
Friday 20	.....	.....	.....	3034 Boston st.	Alex. Krupenski	Dwelling, &c.	.....	.....	.....	.....
Friday 20	.....	.....	.....	3032 Boston st.	John Rapponski	Tenement.	.....	.....	Three-story brick.	.....
Friday 20	.....	.....	.....	3040 Boston st.	A. Hollman.	Confectionery store and tenement.	.....	.....	Three story brick.	.....
Friday 20	.....	.....	.....	3042 Boston st.	Geo. Zubrowski.	Tenement.	.....	.....	Three-story brick.	.....
Friday 20	.....	.....	.....	1253 Hare st.	Henry Janovski.	Grocery store and dwelling.	.....	.....	Two-story brick.	.....
Friday 20	.....	.....	.....	1250 Canton ave.	Stanislaus Wiscewski.	Grocery store and dwelling.	.....	.....	Two-story brick.	.....

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Friday 20	Special	1.34	.....	Reisterstown pike, above Belvidere ave., Baltimore county.	H. R. Wilhelm.	Dwelling and grocery store	20	.....	Two-story frame.	Loss, $——. Unknown.
Friday 20	.....	.....	.....	.....	M. E. Wright.	Dwelling.	.....	.....	Two-story frame.	.....
Friday 20	.....	.....	.....	.....	B. F. Grove.	Dwelling.	.....	.....	Two-story frame.	.....
Friday 20	.....	.....	.....	.....	Joshua W. Parks	Dwelling.	.....	.....	Two and one-half story frame.	.....
Friday 20	.....	.....	.....	.....	Samuel Hoffman	Dwelling.	.....	.....	Two and a-half story frame.	.....
Friday 20	.....	.....	.....	.....	Chas. W. Connelly.	Dwelling.	.....	.....	Two and a-half story frame.	.....
Friday 20	.....	.....	.....	.....	Charles Sonnerman.	Dwelling.	.....	.....	Two and a-half story frame.	.....
Friday 20	412	.....	5.57	34 Hanover st.	Baer, Newbol & Co.	Cloak factory	2, 15	2	Five-story brick.	Loss, $168.00. Recall 6.46 p. m.; unknown.
Friday 20	415	.....	8.15	7 N. Eutaw st.	Herman Telle.	Hotel and barber shop.	.....	.....	Four-story brick.	Loss, none. Recall 8.20 p. m; defective electric wire.
Friday 20	381	.....	8.50	1417 Vincent alley	Howard Dorsey.	Dwelling.	.....	.....	Two-story brick.	Loss, $15.00. Recall 9.02 p. m.; upsetting coal-oil lamps
Satur'y 21	514	10.00	.....	333 W. Pratt st.	John J. Cleary.	Saloon and lodging house.	15	2	Three story and attic brick.	Loss, $105.00. Recall 10.30 a. m.; sparks from smoke stack.

Satur'y 21	394	11.18	.....	244 Roland ave.	Samuel Marsh.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 11.38 a. m.; explosion of a gasoline stove.
Satur'y 21	394	.....	2.27	741 Third ave.	Edward Kershaw.	Dwelling.	.....	9	Two-story brick.	Loss, none. Recall 2.43 p. m.; soot taking fire under range.
Satur'y 21	Special	11.40	.....	8 W. Ostend st.	Henry R. Pate.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Explosion of a gasoline stove.
Satur'y 21	Silent.	.....	5.55	213 W. German st.	O. F. Bresee and Son.	Building.	.....	.....	Three-story brick.	Loss, $12.50. Electric wire.
Satur'y 21	Silent.	.....	7.35	300 Rogers ave.	Gustave Lewis.	Restaurant.	.....	.....	One-story frame.	Loss, none. Pan of lard boiling over.
Satur'y 21	Silent.	.....	8.06	26th and Oak st.	City of Balto.	Dump.	.....	.....	....	Loss, none. Burning rubbish.
Sunday 22	542	2.00	... .	N. W. cor. Eutaw and West sts.	William Knabe & Co.	Piano factory	2	6	Five-story brick.	Loss, none. Recall 2.33 a. m.; spontaneous combustion.
Sunday 22	146	3.15	.....	....	.....	.....	.....	.....	....	Loss, none. Recall 3.26 a. m.; false alarm.
Sunday 22	Silent.	.....	3.44	S. W. cor. Fayette and Calvert sts.	Campbell & Zell	Office building.	4	.....	Ten-story brick.	Loss, $25.00. Electric wire.
Mond'y 23	156 Automotic.	4.38	.....	1620 Thames st.	Henry Sullman and others.	Tenement.	5, 11	3	Three-story brick.	Loss, $180.75. Recall 5.05 a. m.; explosion of a coal-oil lamp.
Mond'y 23	882	8.00	.....	522 N. Calvert st.	P. T. George & Co.	Warehouse.	.....	.....	Three-story brick.	Loss, none. Recall 8.17 a. m.; dropping a lighted match.

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Tuesd'y 24	415	2.47	.....	7 N. Eutaw st.	Herman Telle.	Hotel and barber shop.	.....	2	Four-story brick.	Loss, $106.73. Recall 3.10 a. m,; crossed electric wire.
Tuesd'y 24	729	8.32	.....	Greenmount ave. and Pinkney pl.	Fred. Walpert & Co.	Wagon-load of hay.	18,4 Chem	5	....	Loss, $125.00. Recall 8.56 a. m.; unknown.
Tuesd'y 24	13	.....	12.04	812 E. Pratt st.	Hyman Crook and others.	Tenement.	.....	.....	Three-story brick.	Loss, none. Recall 12.16 p. m.; leaking gasoline stove.
Tuesd'y 24	543	.....	2.16	1238 Riverside ave	Andrew Deuling	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 2.24 p. m.; explosion of a gasoline stove.
Wedn'y 25	Silent.	10.05	.....	205 Jasper st.	Geo. Chapman.	Dwelling.	.....	.....	Three story brick.	Loss, none. Unknown.
Wedn'y 25	Silent.	.....	5.15	921 McDonogh st	Henry Tillman.	Dwelling.	9	.....	Three-story brick.	Loss, none. Explosion of a gasoline stove.
Wedn'y 25	628	.....	8.21	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.32 p. m.; box was not pulled.
Wedn'y 25	636	.....	8.22	1144 Hull st.	John Mickens.	Yard.	.....	.....	.....	Loss, none. Recall 8.38 p. m.; explosion of a tank of gasoline.

Wedn'y 25	61	.....	10.16	43 E. York st.	Bartlett Fahey.	Dwelling.	.....	.....	Two and a half-story brick.	Loss, none. Recall 10.22 p. m.; explosion of a coal-oil lamp.
Thurs'y 26	237	.....	5.26	506 N. Chapel st.	Laurence Hoyt.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 5.32 p. m.; explosion of a gasoline stove.
Thurs'y 26	266	.....	8.36	1221 McElderry st.	Moses Reichgut.	Dwelling.	6	.....	Three-story brick	Loss, $110.67. Recall 8.55 p. m.; unknown.
Friday 27	524	8.54	.....	11 House Court.	Geo. Williams.	Dwelling.	2, 4, 12, 15	2, 6	Two-story and attic brick.	Loss, $228.42. Recall 9.50 a. m.; sparks from chimney.
Friday 27	.....	.....	.....	13 House Court.	Dora Washington.	Dwelling.	.....	.....	Two-story and attic brick.	.....
Friday 27	.....	.....	.....	15 House Court.	Robert Bisco.	Dwelling.	.....	.....	Two-story and attic brick.	.....
Friday 27	533	.....	4.50	763 St. Peter st.	Wm. E. Pistel.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 4.57 p. m.; flames from gasoline.
Friday 27	317	.....	6.45	100 Hamilton st.	Nicholas Parker.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 7.17 p. m.; falling of a lighted lamp.
Satur'y 28	Silent.	2.20	.....	911 E. Lombard st	Barris Albert and others.	Cigar store and tenement	3	.....	Three-story brick.	Loss, none. Upsetting lighted candle
Satur'y 28	35	3.17	.....	239 Camel alley.	Wm. N. Thomas	Dwelling.	.....	4	Three-story brick.	Loss, none. Recall 3.31 a. m.; burning chimney.
Satur'y 28	145	11.12	.....	6 S. Central ave.	James Batta and others.	Tenement.	.....	.....	Two and a half-story brick.	Loss, none. Recall 11.22 a. m.; filling stove while burning.

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Satur'y 28	213	.....	3.53	714 E. Lexington st.	Wm. Sack & Co.	Yard.	.....	.....	.....	Loss, none. Recall 4.00 p. m.; unknown.
Satur'y 28	Special	.....	5.20	2721 Hudson st.	Frank Hesenei.	Dwelling.	.....	.....	Three-story brick.	Loss, $30.00. Children playing with matches.
Satur'y 28	428	.....	5.37	1041 W. Saratoga st.	Alfred S. Warner	Dwelling.	8	.....	Three-story brick.	Loss, $100.00. Recall 6.10 p. m.; explosion of a coal-oil stove.
Satur'y 28	715	.....	10.25	2400 Druid Hill ave.	James Todd.	Grocery store and dwelling.	2 Chem.	10	Three-story brick.	Loss, none. Recall 10.37 p. m.; drawing gasoline by the aid of a lighted match.
Sunday 29	65	8.30	.....	1737 Clarkson st.	Kate Galloway.	Dwelling.	.....	6	Two-story brick.	Loss, $24.50. Recall 8.47 a. m.
Sunday 29	274	9.13	.....	2101 E. Eager st.	Joseph Vysckiel	Dwelling.	.....	.....	Two story brick.	Loss, none. Recall 9.27 a. m.; filling gasoline stove while burning.
Sunday 29	212	.....	11.06	718 E. Baltimore st	Samuel B. Marts & Co.	Tent factory.	3, 4, 6, 9	1, 2	Three-story brick.	Loss, $2,060.95. Recall 12.26 a. m.; unknown.
Sunday 29	Silent.	11.20	.....	2206 Bank st.	Frank Wright.	Dwelling.	11	.....	Two-story brick.	Loss, $40.00. Explosion of a gasoline stove.

Sunday 29	Silent.	11.15	.....	614 Sharp st.	John Kresse.	Shed.	2	.....	One-story frame.	Loss, $55.00. Explosion of a gasoline stove.
Sunday 29	145	.....	6.10	1426 Fairmount ave.	Florence Caswell.	Boarding-house.	3, 5, 9	3	Three-story brick.	Loss, $500.00. Recall 6.45 p. m.; filling gasoline stove while burning.
Sunday 29	.....	.....	.....	1428 Fairmount ave.	Daisy Miller.	Shed.	.....	.....	One-story frame.	.....
Mond'y 30	49	.....	4.44	2103 W. Baltimore st.	J. A. Silcott.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 4.56 p. m.; overheated gas stove.
Mond'y 30	442	.....	8.42	15 Pearl st.	James B. Murry	Dwelling.	.....	.....	Three-story brick.	Loss $43.00. Recall 8.47 p. m.; explosion of a coal-oil lamp.
August.										
Wedn'y 1	425	.....	10.33	1030 W. Baltimore st.	John Henkel.	Dwelling.	1, 8, 10, 14	2	Three-story brick.	Loss, none. Recall 11.35 p. m.; sparks from stove pipe.
Wedn'y 1	.....	.....	.....	1028 W. Baltimore st.	Distilled Water Ice Co.	Ice manufactory.	.....	.....	Two-story brick.	.....
Wedny' 1	.....	.....	.....	1032 W. Baltimore st.	G. Metzger.	Marble yard.	.....	.....	.....	.....
Wedn'y 1	.....	.....	.....	1032 W. Baltimore st.	G. Helfresch.	Lumber yard.	.....	.....	.....	.....
Thurs'y 2	Silent.	12.26	.....	Wagner's Point, A. A. Co.	Jesse Tyson.	Chrome w'rks	16	.....	One-story frame.	Loss, $——. No cause assigned.
Thurs'y 2	634	12.08	.....	1036 E. Fort ave.	William Grunder.	Shed & fence	17	.....	One-story frame.	Loss, $——. Recall 12.17 a. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Thurs'y 2	477	3.21	.....	1832 Lanvale st.	James Hardesty.	Dwelling.	8, 14	10	Two-story brick.	Loss. $———. Recall 4.48 a. m.; unknown.
Thurs'y 2	Special	8.15	.....	736 S. Charles st.	Abraham Eisenberg.	Clothing store and dwelling	.....	.....	Three-story brick.	Loss, $———. Child playing with matches.
Thurs'y 2	Silent.	.....	8.29	122 S. Wolfe st.	Nicholas Appel.	Saloon and dwelling.	.....	3	Three-story brick.	Loss $———. Falling of a lighted lamp.
Thurs'y 2	236	.....	8.30	125 Madeira st.	Charles Long.	Grocery store and dwelling.	5, 9, 11	3	Two-story brick.	Loss, $——. Recall 9.15 p. m.; gasoline ignited from a lighted lantern.
Thurs'y 2	.....	.....	8.36	119 Madeira st.	John Smith.	Dwelling.	.....	.....	Two-story brick.	.....
Thurs'y 2	482	.....	8.36	.....	B. & O. R. R. Co.	Car and shed.	14	8, 10	One-story frame.	Loss, $———. Recall 10.10 p. m.; unknown.
Friday 3	523	10.20	.....	821 S. Greene st.	Mrs. Mary Johnson.	Dwelling.	2, 15	2	Two and a half story brick.	Loss, $———. Recall 11.26 a. m.; overheated stove.
Friday 3	Silent.	.....	1.08	25 N. Holliday st.	Cronin & McDonald.	Hotel and restaurant.	4	.....	Three-story brick.	Loss, $——. Leaking gas pipe.
Friday 3	Silent.	.....	4.27	1448 Henry st.	Charles Figgs.	Stable.	12	.....	One-story frame.	Loss, $———. Unknown.
Satur'y 4	547	1.08	.....	N. W. cor. Howard and Ostend sts.	Pintsch Gas Co.	Gas manufactory.	2, 12	6	One-story brick.	Loss, $———. Recall 1.25 a. m.; explosion of gas.

Satur'y	4	531	.....	2.31	524 Elbow lane.	Mrs. Catherine Dale.	Dwelling.	10	2	Two and a half story brick.	Loss, $———. Recall 3.47 p. m.; sparks from chimney.
Satur'y	4	.....	.....	.....	526 Elbow lane.	Mrs. Matilda Poter.	Dwelling.	.....	.....	Two and a half-story brick.	....
Satur'y	4	62	.....	4.07	1108 William st.	Mary Galloway.	Shed.	2, 12	6	One-story frame.	Loss, $———. Recall 4.26 p. m.; unknown.
Satur'y	4	251	.....	9.58	836 Ensor st.	Simon Gensberg	Grocery store and dwelling	.....	.....	Three-story brick.	Loss, $———. Recall 10.05 p. m.; drawing gasoline having light in hand.
Sunday	5	Silent.	2.15	.....	30 S. Eutaw st.	United Electric Light & Power Co.	Office.	....	.....	One-story brick.	Loss, $———. Unknown.
Sunday	5	365	.....	10.25	627 W. Biddle st.	Joseph T. Woodson.	Grocery store and dwelling	7, 8, 13	4	Three-story brick.	Loss, $———. Recall 11.39 p. m.; unknown.
Monday	6	368	1.12	.....	730 Sarah Ann st.	Annie Hedrick.	Dwelling.	7, 8	4	Two-story brick.	Loss, $———. Recall 2.27 a. m.; unknown.
Monday	6	Silent.	.....	12.34	1324 Aisquith st.	Frank A. Teal.	Dwelling.	.....	5	Three-story brick.	Loss, $———. Explosion of a tank of gasoline.
Tuesd'y	7	312	5.50	.....	218 Park ave.	Harver Tagler.	Saloon and dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 5.54 a. m.; explosion of gasoline stove.
Tuesd'y	7	Silent.	8.18	.....	2137 Boyce st.	Ferdinand Ablis	Dwelling.	14	.....	Two-story brick.	Loss, $———. Overheated oil stove.

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DATE.	BOX.	HOUR A.M.	HOUR P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Tuesd'y 7	214	8.42	.....	140 Exeter st.	Onchel Eisman and others.	Restaurant & dwelling.	6	1	Three-story brick.	Loss, $———. Recall 8.54 a. m; explosion of a gasoline stove.
Tuesd'y 7	Silent.	9.52	.....	422 S. Ann st.	Thomas Giller.	Dwelling.	.....	3	Three-story brick.	Loss, $———. Burning chimney.
Tuesd'y 7	365	.....	12.04	1100 Kirk st.	Charlotte Jones.	Dwelling.	.....	4	Two-story brick.	Loss, $———. Recall 12.26 p. m.; unknown.
Tuesd'y 7	Special	.....	1.30	2308 Cambridge st.	Benj. Weissner.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Children playing with matches.
Tuesd'y 7	44	.....	3.13	211-213 E. Baltimore st.	David J. Wilks.	Photograph gallery.	.....	.....	Three-story and attic brick.	Loss, $———. Recall 3.18 p. m.; hot rivet falling through skylight.
Tuesd'y 7	414	.....	5.30	24 S. Liberty st.	Fritz Breves.	Hotel and restaurant.	15	2	Two and a half-story brick.	Loss, $———. Recall 5.43 p. m.; unknown.
Tuesd'y 7	162	.....	8.22	931 Fell st.	Julia Zakahi & others.	Tenement.	.....	3	Three-story brick.	Loss, $———. Recall 9.03 p. m.; burning chimney.
Tuesd'y 7	513	.....	8.48	S. W. cor. Sharp and Lombard sts	Peoples Bank.	Bank.	.....	2	Five-story brick.	Loss, $———. Recall 8.54 p. m.; electric converter.

Tuesd'y 7	Special	.....	9.46	314 Woodyear st.	Henry Kelmer.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Explosion of a coal-oil stove.
Tuesd'y 7	371	.....	10.11	929 Vincent alley.	Kate Garrett.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 10.18 p. m.; explosion of a coal-oil lamp.
Wedn'y 8	234	6.45	.....	225 N. Ann st.	Harry Wonderly	Shed.	.....	.....	One-story frame.	Loss, $———. Recall 6.52 a. m.; leaking gasoline tank.
Wedn'y 8	217	.....	3.06	618 Constitution st	Patapsco Chapel Missions.	Church.	6	5	One-story brick.	Loss, $———. Recall 3.20 p. m; unknown.
Wedn'y 8	43	.....	5.53	703 W. Lombard st	Spencer Leyellyn.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 6.04 p. m.; explosion of a gasoline stove.
Wedn'y 8	Silent.	.....	6.27	1825 N. Bond st.	Wm. H. Shields.	Dwelling.	19	.....	Two-story brick.	Loss, $———. Dropplighted match on awning.
Wedn'y 8	562	.....	9.33	1420 S. Charles st.	Josephine Reddish.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 9.39 p. m.; explosion of a coal-oil lamp.
Thurs'y 8	Silent.	5.00	.....	35 W. Cross st.	Ida Laury.	Dwelling.	.....	6	Three-story brick.	Loss, $———. Explosion of a gasoline stove.
Thurs'y 9	151	6.49	.....	109 S. Bond st.	Henry Ackerman.	Dwelling.	.....	3	Three-story brick.	Loss, $———. Recall 7.00 a. m.; leaking coal-oil stove.

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Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Ser'ce.	Style of Building.	Remarks.
Thurs'y 9	214	10.39	.....	221 N. High st.	John May.	China store and dwelling.	.....	.....	Two-story and attic brick.	Loss, $———. Recall 10.50 a. m.; kettle of grease boiling over.
Friday 10	Silent.	5.50	.....	Canton Hollow.	Albert Thomas, Captain.	Scow Lily.	16	.....	.....	Loss, $———. Explosion of gasoline.
Friday 10	438	7.38	.....	845 W.Lombard st.	Miss Ida Cole.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 7.42 a. m.; igniting of gasoline stove.
Friday 10	124	10.48	.....	239 South st.	Charles W.Shaw & Company.	Refinery of syrups, etc.	2, 4, 6	1, 3	Four-story brick.	Loss, $———. Recall 11.49 a. m.; unknown.
Friday 10	Silent.	11.32	.....	1306 Riggs ave.	H. Munberger.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Smoke issuing from defective flue.
Friday 10	639	.....	12.36	1201 Andre st.	B. & O. R. R. Co.	In yard in rear of bank room.	.....	.....	Two-story brick.	Loss, $———. Recall 12.52 p. m.; unknown.
Friday 10	Silent.	.....	1.00	1826 Aliceanna st.	Joseph Kienhofuaski.	Tenement.	16	.....	Three-story brick.	Loss, $———. Leaking gasoline stove.
Friday 10	279	.....	9.48	514 N. Rose st.	John Huber.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 9.59 p. m.; explosion of a coal-oil lamp.

Friday 10	289	.....	11.45	Lot between R. R. and Montebello ave.	.....	Vacant lot.	18	.....	.....	Loss, $———. Recall 12.50 a. m.; unknown.
Satur'y 11	175	10.50	.....	304 Collington ave	John McLynn.	Shed.	11	.....	One-story frame.	Loss, $——— Recall 11.02 a. m.; carelessness with lighted match.
Satur'y 11	318	10.57	.....	3 W. Lexington st.	F. W. Wagner & Co.	Photograph gallery.	4	2	Four-story brick.	Loss, $———. Recall 11.05 a. m.; unknown.
Satur'y 11	173	11.48	.....	2425 Fait ave.	Isaac J. Hutson.	Dwelling.	11	3	Two-story brick.	Loss, $———. Recall 12.14 p. m.; leaking gasoline tank.
Satur'y 11	517	.....	2.20	Foot of Ridgely st.	John W. Shipley.	Manure dump	10	.....	.....	Loss, $———. Recall 4 25 p. m.; unknown.
Satur'y 11	217	.....	6.35	600 Constitution st	Charles Darris.	Cigar store and dwelling.	6	.....	Two-story brick.	Loss, $———. Recall 6.41 p. m.; defective flue.
Sunday 12	Silent.	11.57	.....	N. side Frederick ave. w. of Brunswick st.	Mt. Olivet Cemetery.	Cemetery.	.....	.....	.....	Loss, $———. Burning grass.
Sunday 12	216	.....	1.41	1255 Orleans st.	Hynion Lackmon.	Tailor store.	.....	.....	Three-story brick.	Loss, $———. Recall 1.48 p. m.; explosion of a gasoline stove.
Sunday 12	Silent.	.....	9.39	228 S. Exeter st.	Simon Klavowski.	Tenement.	3	.....	Three-story brick.	Loss, $———. Carelessness with matches.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
				1921 Aliceanna st.	Lena Cooper.	Second-hand store and dwelling.	5, 9, 11	3	Two and a half-story frame.	Loss, $———. Recall 7.15 p. m.; sparks from charcoal furnace.
Mond'y 13	168	.....	6.19	1923 Aliceanna st.	Joseph Kopelanczek.	Shed.	.....	.....	One-story frame.	
				1919 Aliceanna st.	E. Renneoburg & Son.	Blacksmith shop.	.....	.....	Two-story brick.	
				1917 Aliceanna st.	E. Ronneoburg & Son	Dwelling.	.....	.....	Two-story brick.	
Mond'y 13	367	.....	7.50	1107 Argyle ave.	Mrs. Mary Stubbs	Dwelling.	.....	4	Three-story brick.	Loss, $———. Recall 8.18 p. m.; unknown.
Mond'y 13	Special	.....	12.20	1214 Gough st.	Samuel Holland	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Explosion of a gasoline stove.
				1717 Hope st.	John Russell.	Dwelling.	19, 5 Chem	5	Two-story brick.	Loss, $———. Recall 9.16 a. m.; unknown.
Tuesd'y 14	255	8.26	.....	1719 Hope st.	John McNally.	Grocery store and dwelling.	.....	.....	Two-story brick.	
Tuesd'y 14	Special	8.45	.....	1921 Sherwood ave	Annie Hogan.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Unknown.
Tuesd'y 14	21	9.51	.....	226 Harrison st.	Hymon Minick.	Clothing store and dwelling.	.....	1	Three-story brick.	Loss, $———. Recall 10.01 a. m.; unknown.
Tuesd'y 14	Silent.	10.03	.....	2100 N. Charles st.	Thomas Homes.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Defective furnace.

Tuesd'y 14	145	.....	4.49	1303 E. Baltimore st.	Max Scheummers and others.	Dyeing, scouring and tenement.	3, 5, 9	3	Two-story frame.	Loss, $——. Recall 6.00 p. m.; filling gasoline stove while burning.
				1305 E. Baltimore st.	John Lenz and others.	Barber shop and tenement.	.....	.....	Three-story brick.	
Tuesd'y 14	Silent.	.....	9.05	29 Albemarle st.	Abraham Owitz.	Tenement.	3	.....	Three story brick.	Loss, $——. Explosion of a coal-oil lamp.
Tuesd'y 14	294	.....	9.32	7 Jenkins lane.	Chris. Speeck.	Slaughter-house, etc.	18, 19, 5 Chem.	5	Two-story brick.	Loss, $——. Recall 11.30 p. m.; unknown.
Tuesd'y 14	Silent.	.....	11.41	1009 Watson st.	Samuel Silverstine.	Tenement.	3	.....	Three-story brick.	Loss, $——. Carelessness with matches.
Wedn'y 15	229	.....	12.48	139 N. Washington st.	Edward Chaney	Dwelling.	.....	3	Two-story brick.	Loss, $——. Recall 1.05 p. m.; spark from chimney.
Wedn'y 15	614	.....	1.16	222 W. Cross st.	Jacob Schefer-ling.	Bakery and dwelling.	12	.....	Three-story brick.	Loss, $——. Recall 1.26 p. m.; explosion of a gasoline stove.
Thurs'y 16	352	.....	12.51	121 McMechen st.	Zelulon Kerrian	Dry-goods store and dwelling.	18	11	Three-story brick.	Loss, $——. Recall 1.19 p. m.; unknown.
Thurs'y 16	412	.....	7.84	103 W. German st	Wm. Catzen & Co.	Clothing manufactory	2, 15	2	Four-story brick.	Loss, $——. Recall 8.39 p. m.; unknown.
Friday 17	Silent.	9.37	.....	1401 E. Pratt st.	Jacob Hyman.	Tenement.	.....	.....	Four-story brick.	Loss, $——. Smoke from chimney.
Friday 17	365	.....	2.23	741 Little George st.	Charles Jones.	Dwelling.	7, 13	4	Three-story brick.	Loss, $——. Recall 3.35 p. m.; children playing with matches.

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Satur'y 18	527	5.04	.....	222 Perry st.	Mary Galloway.	Dwelling.	2	2	Two-story brick.	Loss, $———. Recall 5,38 a. m.; unknown.
Satur'y 18	Silent.	6.46	.....	222 Perry st.	Mary Galloway.	Dwelling.	2	.....	Two-story brick.	Loss, $———. Unknown.
Satur'y 18	337	11.34	.....	1209 Etting st.	Rosa Richardson.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 11.46 a. m.; unknown.
Satur'y 18	Silent.	.....	3.37	2306 Boston st.	John Munter.	Saloon and dwelling.	11	.....	Three-story brick.	Loss, $———. Heat from stove.
Satur'y 18	395	.....	3.47	538 Falls road.	John Giles.	Dwelling.	.....	9	Two and a-half story stone.	Loss, $———. Recall 4.07 p. m.; unknown.
Satur'y 18	417	.....	10.34	539 Columbia ave.	Schunick Pierce & Co.	Stable.	15	2	One-story frame.	Loss, $———. Recall 11.44 p. m.; explosion of a coal-oil lantern.
Sunday 19	712	2.36	.....	Falls road, near Stony run.	United Electric Light and Power Co	Storage house and stable.	21, 2 Chem	9	Two-story frame.	Loss, $———. Recall 5.30 a. m.; unknown.
Sunday 19	421	4.11	.....	300 N. Pine st.	Jacob Rosenswige.	Grocery store and dwelling	1, 8, 13	2	Three-story brick	Loss, $———. Recall 5.40 a. m.; unknown.
Sunday 19	Silent.	7.53	.....	913 E. Lombard st.	Abraham Shar and others.	Tenement.	3	.....	Four-story brick.	Loss, $———. Leaking coal-oil stove.

Sunday 19	244	.....	7.59	923 Valley st.	Mollie Lacy.	Dwelling.	.....	.....	Two story and attic brick.	Loss, $———. Recall 8.07 p. m.; unknown.
Mond'y 20	155	2 33	.....	1513 Gough st.	Unoccupied.	Store and warehouse.	5, 9	3	Three-story brick.	Loss, $———. Recall 3.00 p. m.; spontaneous combustion.
Mond'y 20	Special	4.30	.....	2037 Hollins st.	Frederick Braun	Yard (fencing)	....	.....	....	Loss, $———. Unknown.
Mond'y 20	Silent.	4.40	.....	1005 Harmony lane.	Hester Baily.	....	8	.....	Two-story brick.	Loss, $———. Unknown.
Mond'y 20	61	.....	12.59	203 E. York st.	Kate Crongham.	Dwelling.	2	6	Two-story and attic brick.	Loss, $———. Recall 1.11 p. m.; unknown.
Mond'y 20	Silent.	.....	10.28	N. E.cor. Balto. & Calvert sts.	N. C. R.R. Office	Ticket office.	4	.....	Two-story brick.	Loss, $———. Electric wire.
Tuesd'y 21	Silent.	.....	12.45	705 E. Fayette st.	The British American mining Company.	Building.	....	1	Four-story brick.	Loss, $———. Soot catching fire in chimney.
Tuesd'y 21	Silent.	.....	3.13	N. W. cor. Eutaw & Lexington sts.	C. D. Kenny.	Tea and coffee store.	1	.....	Three-story brick.	Loss, $———. Unknown.
Tuesd'y 21	Silent.	.....	4.45	929 Chesapeake st.	Margery Burns.	Dwelling.	16	.....	Two-story brick.	Loss, $———. Children playing with matches.
Wed. 22	32	4.51	.....	N. cor. Dark la. & Lovegrove al.	Maryland Telephone Mfg. Co	Telephone manuf't'ing			Six-story brick.	Loss, $———. Recall 6.42 p. m.; unknown.
	2d alarm.	4.55	.....	221–229 N. Charles st.	Masonic Temple	Masonic Temple.	1, 2, 3, 4, 6, 7, 8,	1, 2, 3,	Five story marble	
				217 N. Charles st.	McDowell & Co.	....			Six-story brick.	
				10 E. Lexington st	Sarah E. Johnson.	Office building.	13, 15, 17	4, 5	Three-story and attic brick.	
	3d alarm.	4.57	.....	16 E. Lexington st	Chas. B. Freeland & Co.	Office building.			Three-story and attic brick.	
				202 St. Paul St.	....	Stable.	189		Two-story brick.	

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Wedn'y 22	394	.....	8.22	311 Roland ave.	Thos. O. Winks.	Dwelling.	.....	.....	Two-story and attic frame.	Loss, $——. Recall 8.31 p.m.; explosion of a coal-oil lamp.
Wedn'y 22	Silent.	.....	8.39	1820 N. Broadway	Wm. J. Clendenin.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Defective flue.
Thurs'y 23	Silent.	.....	5.55	522 W. Lexington st.	Chas. E. Zitzer.	Saloon and dwelling.	.....	2	Two-story brick.	Loss, $——. Electric wire.
Thurs'y 23	.....	.....	6.26	S. E. cor. Balto. and Front st.	United Electric Co.	Telegraph pole.	.....	1	.....	Loss, none. A. D. Breen, a lineman, electrocuted on cross-arm.
Friday 24	Silent.	.....	1.20	256 N. Exeter st.	Simon Dononsky.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Set on fire purposely.
Friday 24	Silent.	.....	2.00	28 Jackson st.	Louis G. Helwig	Dwelling.	5 Chem.	.....	Two story brick.	Loss, $ — — Overheated stove.
Friday 24	56	.....	5.55	1000 Leadenhall st	Elizabeth Dixon	Dwelling.	2, 10, 12, 15	6	Two-story and attic brick.	Loss, $——. Recall 6.37 p. m.; explosion of a gasoline stove.
Friday 24	Silent.	.....	9.00	31 Cross-street market.	Christian Stapp.	Ice box in rear stall.	.....	6	.....	Loss, $——. Electric wire.
Friday 24	35	.....	9.05	S. E. cor. Linden ave. & Biddle st.	John Matthews.	Grocery store	.....	4	Four-story brick.	Loss, $——. Recall 9.29 p. m.; electric wire.
Friday 24	431	.....	11.29	West side of Pratt st, bet. Penn and Fremont sts.	U. E. Light & Power Co.	Electric power-house.	10	2	One-story brick.	Loss, $ — . Recall 11.51 p.m.; defective insulation.

Satur'y 25	46	4.11	.....	1622 Hollins st.	William F.Sullivan.	Dwelling.	14	10	Three-story brick.	Loss, $———. Recall 4.41 a. m.; unknown.
Satur'y 25	Silent.	5.55	.....	539 E. Fort ave.	William Malone	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Explosion of a gasoline stove.
Satur'y 25	274	10.19	.....	2110 E. Biddle st.	Eliz. Yeagel.	Dwelling.	9	5	Two-story brick.	Loss, $———. Recall 10.30 a. m.; explosion of a gasoline stove.
Satur'y 25	Special	.....	2.20	1411 Haubert st.	John Flam.	Dwelling.	.....	.....	Two-story brick.	Loss, $ ——. Explosion of a gasoline stove.
Satur'y 25	Silent.	.....	11.28	62 W. West st.	A. L. Braumbrack.	Yard.	.....	6	.....	Loss,$——. Lighted lamp igniting gasoline.
Sund'y 26	547	4.35	.....	Ohio ave. west of Stockholm st.	B. & O. R.R. Co	Car No. 756. Car No. 757.	2, 10, 12	6	One-story frame.	Loss, $———. Recall 6.03 a. m.; explosion of gas in a Pintsch gas tank.
Sund'y 26	146	11.11	.....	1011 E. Pratt st.	Simon Lehman and others.	Tailor shop and tenement.	3, 4, 5, 6	1, 3	Three-story brick.	Loss, $———. Recall 12.29 p. m.; unknown.
Sund'y 26	462	11.36	.....	126 S. Monroe st.	Peter Gillen.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 11.48 a. m.; smoke from oil stove.
Mond'y 27	485	4.00	.....	956 Frederick ave.	John G. Haake.	Shed.	.....	8	One-story frame.	Loss, $———. Recall 4.53 a. m.; unknown.
Mond'y 27	Silent.	.....	1.20	811 E. Pratt st.	Nathan Gittelorhn.	Grocery store and dwelling.	3	.....	Three-story brick.	Loss, $———. Rubber tube becoming detached from gas stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Mond'y 27	Silent.	.....	9.05	Spedden's Wharf.	Mr. Anchor.	Steam yacht "Conna."	16	.....	.....	Loss, $———. Overheated boiler.
Mond'y 27	452	.....	9.11	214 N. Gilmor st.	William Bailey.	Dwelling.	.....	10	Three-story brick.	Loss, $——. Recall 9.23 p. m.; curtain ignited by gas jet.
Tuesd'y 28	Silent.	.....	3.45	901 N. Broadway.	William F. Elgert.	Grocery store and dwelling.	9	.....	Three-story brick.	Loss, $———. Covering ignited by lighted match.
Tues'dy 28	233	.....	.....	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 10.25 p. m.; false alarm.
Wedn'y 29	44	11.13	.....	228 E. Balto. st.	Isaac W. Hines.	Lunch-room.	4	1	Four-story brick.	Loss, $———. Recall 11.33 a. m.; careless handling of a lighted candle
Wedn'y 29	451	.....	12.23	419 N. Carey st.	F. F. Graham.	Dwelling.	.....	10	Three-story brick.	Loss, $———. Recall 12.37 p. m.; explosion of a gasoline stove.
Wed. 29	614	.....	11.48	S. E. cor. Warren and Riverside aves.	Geo. F. Jones & Co.	Paper mill.	1, 2, 4, 6, 7, 8, 10, 12, 15, 17	2, 4, 6	Three-story brick.	Loss, $——. Recall 3.44 p. m., unknown.
	2d alarm.	.....	11.52			Storage-house			One-story frame.	
	3d alarm.	.....	11.53							
Thurs'y 30	Silent.	.....	4.30	238 S. Ann st.	William Scott.	Dwelling.	.....	3	Three-story brick.	Loss, $———. Explosion of a can of coal oil.

Thurs'y 30	235	.....	8.36	2036 E. Monument st.	Conrad Homan and Son.	Slaughter-house.	.....	.....	Two-story brick.	Loss, $———. Recall 8.43 p. m.; smoking out roaches.
Friday 31	51	.....	1.31	S. W. cor. Light and Lombard sts	Garrett and Williams.	Whiskey dealer.	.....	.....	Four-story brick.	Loss, $———. Recall 1.45 p. m.; explosion of a spirit lamp.
Sept.										
Satur'y 1	Silent.	6.53	.....	1011 E. Lombard st.	Jacob Greenstein.	Dwelling.	3	.....	Two-story and attic brick.	Loss, $——. Children playing with matches.
Satur'y 1	266	.....	4.57	503 N. Eden st.	Rebecca Atkinson.	Stable.	9	.....	Two-story brick.	Loss, $——. Recall 5.07 p. m.; incendiary.
Satur'y 1	Silent.	.....	12.40	855 Clifford st.	Annie Williams.	Dwelling.	10	.....	Two-story brick.	Loss, $———. Explosion of a gasoline stove.
Satur'y 1	323	.....	5.04	1301 Penna. ave. 1303 Penna. ave.	Wm. Blizzard. C. H. Blizzard.	Outhouse. Stable.	13	10	One-story frame.	Loss, $———. Recall 5.40 p. m.; unknown.
Sunday 2	474	2.05	.....	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 2.12 a. m.; false alarm.
Sunday 2	293	.....	12.21	516 Chestnut Hill ave.	John T. Muller.	Dwelling.	.....	.....	Two-story and attic frame.	Loss, $———. Recall 12.31 p. m.; explosion of a coal-oil stove.
Sunday 2	731	.....	8.27	2107 North ave.	John Seharach.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 8.40 p. m.; explosion of a coal-oil lamp.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Monday 3	312	.....	5.41	207 Joy alley.	Elizabeth Brown	Dwelling.	.....	2	Four-story brick.	Loss, $———. Recall 5.57 p. m.; unknown.
Tuesd'y 4	423	2.19	.....	706 W. Baltimore st.	Joseph Nolan.	Saloon and bowling alley	1	2	Two-story brick.	Loss, $ ——. Recall 2.44 p. m.; unknown.
Tuesd'y 4	21	10.13	.....	233 Harrison st.	Jacob Novitch.	Tailor shop and dwelling	.....	.....	Three-story brick.	Loss, $———. Recall 10.19 a. m.; careless handling of a gasoline stove.
Tuesd'y 4	482	.....	12.46	2120 Wilkens ave.	James A. Smith.	Kitchen.	14	10	One-story frame.	Loss, $———. Recall 1.28 p. m.; explosion of a gasoline stove.
Wedn'y 5	162	1.54	.....	930 Fell st.	Dyirm Votetkoski.	Saloon and tenement.	5	3	Three-story and attic brick.	Loss, $———. Recall 2.19 a. m.; smoking pipe in bed.
Wedn'y 5	Silent.	11.15	.....	607 Forrest st.	Charles R. Wood	Bakery and dwelling.	6	.....	Three-story and attic brick.	Loss, $———. Explosion of a gasoline stove.
Wedn'y 5	73	.....	5.14	.....	.....	.....	.....	.....	.....	Loss, $———. Recall 5.27 p. m.; false alarm.
Wedn'y 5	Special	.....	10.30	1000 Hillen st.	Michael Holland.	Commission store and dwelling.	.....	.....	Three-story brick.	Loss,$——. Spark from pipe.

Thurs'y	6	178	.....	3.29	13 N. Glover st.	Mrs. Annie F. Furst.	Dwelling.	5, 9	3	Two-story brick.	Loss, $———. Recall 4.34 p. m.; children playing with matches.
Thurs'y	6	Silent.	.....	7.51	103 W. Lexington st.	Mrs. Dr. Brown.	Surgeon and chiropodist.	.....	.....	Three-story brick.	Loss, $———. Unknown.
Thurs'y	6	338	.....	8.32	409 N. Paca st.	William Rock.	Woodworking shop.	.....	2	Three-story brick.	Loss, $———. Recall 8.46 p. m.; unknown.
Thurs'y	6	288	.....	9.33	500 Twenty-first st	Joseph B. Dunn.	Dwelling.	4 Chem.	11	Three-story brick.	Loss, $———. Recall 10.04 p. m.; unknown.
Friday	7	Silent.	11.10	.....	102 S. Regester st.	Philip Reinerner.	Bakery and dwelling.	.....	.....	Two and a-half story brick.	Loss, $———. Heat from oven.
Friday	7	Silent.	.....	12.25	808 E. Lombard st.	Sarah Cuha.	Grocery store and dwelling	3	.....	Three-story brick.	Loss, $———. Lighted smoke pipe.
Satur'y	8	62	9.56	.....	1021 James alley.	Elizabeth Brown	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 10.11 a. m.; explosion of a gasoline stove.
Satur'y	8	Silent.	10.28	.....	1145 Hanover st.	Louis Karangler	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Explosion of a gasoline stove.
Satur'y	8	Silent.	.....	5.17	1001 S. Clinton st.	Lazaretto Guano Works.	Guano warehouse.	16	3	One-story frame.	Loss, $———. Spontaneous combustion.
Satur'y	8	Special	... .	5.55	2733 Huntingdon ave.	Thos. E. O'Brien	Dwelling.	18	.....	Two-story brick.	Loss, $———. Gasoline ignited by lighted match.
Satur'y	8	634	.....	9.53	1015–1017 E. Fort ave.	John Craig.	Shed and dwelling.			One-story frame & three-story brick	Loss, $———. Recall 10.37 p. m.; explosion of a tank of gasoline.
					1013 E. Fort ave.	Frederick Steinheaker.	Dwelling.	2, 12, 17	6	Three-story brick.	
					1502 Burrough st.	George Davis.	Dwelling.			Two-story brick.	

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Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Ser'ce.	Style of Building.	Remarks.
Sunday 9	Silent.	.....	3 45	2317 Eastern ave.	Annie Beeky.	Dwelling.	11	.....	Three-story brick.	Loss, $——. Unknown.
Sunday 9	Special	.....	8.40	129 N. Schroeder st.	William Johnson.	Dwelling.	.....	.....	Two and a-half story brick.	Loss, $——. Explosion of a coal-oil lamp.
Sunday 9	734	.....	9.36	Biddle and Luzerne st.	.....	Shed and dump.	6 Chem.	.....	One-story frame.	Loss, $——. Recall 10.11 p. m.; unknown.
Mond'y 10	Silent.	4.20	.....	.....	Capt. Ernesto Martelli.	Steamship Alesoandres Del Bruno.	16	.....	.....	Loss, $——. Spontaneous combustion.
Mond'y 10	Silent.	9.51	.....	1026 Stockton st.	James Blackburn.	Dwelling.	.....	10	Two-story brick.	Loss, $——. Defective flue.
Mond'y 10	373	.....	6.39	1338 Woodyear st.	Barbara Neeb.	Dwelling.	.....	.....	Two-story brick.	Loss, $——. Recall 6.50 p. m.; explosion of a coal-oil lamp.
Tuesd'y 11	Silent.	10.12	.....	1005 E. Pratt st.	Henry Seigel.	Tenement.	3	.....	Three-story brick.	Loss, $——. Gasoline ignited by lighted match.
Tuesd'y 11	121	10.36	.....	111 South st.	Blum, Haup & Co.	Picture frame and gilding manufact'r.	2, 3, 4, 6, 15	1, 3	Four-story brick.	Loss, $——. Recall 11.45 a. m.; unknown.
Tuesd'y 11	158	10.51	.....	849 S. Bond st.	Fred'k Zoutup.	Dwelling.	5	.....	Three-story brick.	Loss, $——. Recall 11.04 a. m.; explosion of a gasoline stove.

Tuesd'y 11	Silent.	.....	5.21	1523 Battery ave.	Charles Lenther	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Explosion of a gasoline stove.
Tuesd'y 11	472	.....	6.10	Patterson ave. w of Monroe st.	W. M. R. R. Co.	Railroad yard	.....	10	.....	Loss, $———. Recall 6.34 p. m.; unknown.
Tuesd'y 11	162	.....	7.46	911 Fell st.	Jum Ulatowski.	Tenement.	.....	.....	Three-story brick.	Loss, $———. Recall 7.58 p. m.; explosion of a coal-oil stove.
Tuesd'y 11	Silent.	.....	9.55	S. E. cor. Gay and Exeter sts	Lodge and Old Town Bank.	Lodge and bank build'g	6	.....	Three-story brick and iron.	Loss, $———. Electric converter.
Wedn'y 12	321	1.02	.....	512 Bradley st.	George Smith.	Dwelling.	1	4	Two-story brick.	Loss, $———. Recall 1.29 a. m.; unknown.
Wed. 12	468	2.25	.....	401 Old Frederick Road.	W. C. Hidey.	Grocery store	14	8, 10	Two-story frame.	Loss, $———. Recall 4.36 a. m.; unknown.
	2d alarm.	2.46	.....		W. C. Hidey & J. Mercer.	Stables, (2).			One-story frame.	
Wedn'y 12	Silent.	10.10	.....	1830 Orleans st.	Nora Robertson.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Overheated stovepipe.
Wedn'y 12	517	11.43	.....	Foot of Ridgely st.	John W. Shipley	Manure dump	10	.....	.....	Loss, $———. Recall 3.36 p. m.; unknown.
Wedn'y 12	35	.....	6.55	245 Camel alley.	Thos. Churkos.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 7.06 p. m.; throwing match among papers.
Wedn'y 12	419	.....	9.25	304 N. Howard st.	Standard Publishing Co.	Book store.	1, 7, 15	2	Three-story brick and iron.	Loss, $———. Recall 10.28 p. m. unknown.

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Wedn'y 12	266	.....	9.49	509 N. Eden st.	John Anthony.	Dwelling.	3, 6, 9	5	Two-story and attic brick.	Loss, $——. Recall 11.10 p. m.; explosion of a coal-oil lamp.
Thurs'y 13	332	.....	2.39	901 Madison ave.	John J. Dubbelde & Co.	Paper hanging store.	7	4	One-story brick.	Loss, $——. Recall 3.10 p. m.; unknown.
Thurs'y 13	187	.....	5.38	2548 Canton ave.	Jacob Sanse.	Grocery store and dwelling.	11	.....	Two-story brick.	Loss, $——. Recall 5.47 p. m.; throwing match in can of gasoline.
Thurs'y 13	Silent.	.....	7.05	2000 Frederick ave	Frohsinn Hall.	Saloon and dwelling.	.....	.....	Three-story brick.	Loss, $——. Carelessness with matches.
Thurs'y 13	399	.....	7.54	102 Baldwin st.	John P. George.	Dwelling.	.....	9	Two-story and attic frame.	Loss, $——. Recall 8.50 p. m.; unknown.
Thurs'y 13	252	.....	8.22	1121 Greenmount ave.	Bridget Cavanaugh.	Dwelling.	.....	5	Two-story brick.	Loss, $——. Recall 8.34 p. m.; unknown.
Thu'y 13	218	.....	9.10	807, 809 and 811 E. Fayette st.	James King & Co.	Stable.	1, 3, 4, 6, 9, 15	1, 3, 4	Two-story brick.	Loss, $——. Recall 3.13 a. m.; spontaneous combustion.
	2d alarm.	.....	9.13							
Thurs'y 13	146	.....	9.12	.....	.....	.....	.....	.....	.....	Loss, $——. Recall 9.21 p. m.; box pulled for preceding fire.

Friday 14	Silent.	.....	5.22	782 N. Eutaw st.	Andrew V. Thompson.	Dwelling.	7	.....	Three-story brick.	Loss, $———. Explosion of ether.
Friday 14	Silent.	.....	8.00	Spedden's Wharf.	Spedden & Co.	Towboat, Bertha.	16	.....	.....	Loss, $———. Heat from boiler.
Friday 14	474	.....	8.18	818 N. Mount st.	M. Lederer Lusby.	Stable.	13	10	Two-story brick.	Loss, $———. Recall 8.41 p. m.; unknown.
Friday 14	542	.....	11.57	321 W. West st.	Fredk. Bauser.	Dwelling.	.....	6	Two and a-half story brick.	Loss, $———. Recall 12.06 a. m.; explosion of a coal-oil lamp.
Satur'y 15	Silent.	2.26	.....	1200 N. Fremont st	M. Ament & Co.	Feed store.	13	.....	Two-story brick.	Loss, $———. Unknown.
Satur'y 15	Silent.	3.18	.....	1233 Riverside ave	James Wheeler.	Stable.	12	.....	One-story frame.	Loss,$———. Lighted candle.
Satur'y 15	Silent.	8.06	.....	1101 Patterson ave	Kernan Medical Co.	Drug store.	....	.....	Two-story brick.	Loss, $———. Unknown.
Satur'y 15	348	6.54	.....	1800 Guilford ave.	Wm. H. Benson.	Dwelling.	.....	11	Three-story brick.	Loss, $———. Recall 7.08 a. m.; unknown.
Satur'y 15	182	.....	6.37	806 S. Montford ave.	Stuart R. Carr & Co.	Iron foundry.	.....	3	One-story brick.	Loss, $———. Recall 7.13 p. m.; heat from cupola.
Satur'y 15	218	.....	8.11	807–811 E. Fayette	James King & Co.	Stable.	3	1, 3	Two-story brick.	Loss, $———. Recall 9.25 p. m.; rekindling of previous fire.
Satur'y 15	251	.....	8.17	814 E. Eager st.	John Kerns.	Dwelling.	19	5	Three-story brick.	Loss, $———. Recall 9.04 p. m.; unknown.
Satur'y 15	442	.....	8.19	706 W. Fayette st.	Miss Lizzie Joyce.	Dwelling.	.....	.....	Two and a-half story brick.	Loss, $———. Recall 8.28 p. m.; unknown.

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Satur'y 15	253	.....	9.27	1610 Harford ave.	Charles Reisig.	Stable.	19	5	One-story frame	Loss, $———. Recall 10.05 p. m.; unknown.
Satur'y 15	135	.....	9.28	N. E. cor. Point and Block sts.	Jesse Tyson.	Chrome works	.....	2	Two-story brick.	Loss, $———. Recall 9.40 p. m.; heat from lamp.
Satur'y 15	Silent.	.....	9.40	624 E. Baltimore st	Wm. Schultz.	Saloon and dwelling.	.....	1	Three-story and attic brick.	Loss, $———. Electric wire.
Satur'y 15	145	.....	11.45	Carroll Hall, E. Baltimore st.	Heinzling & Harding.	Hall and saloon.	.....	3	Three-story brick.	Loss, $———. Recall 12.12 a. m.; electric wire.
Sunday 16	44	2.25	.....	315-317 E. Baltimore st.	Postal Telegraph Co.	Office building.	3, 4, 15	1, 2	Four-story brick.	Loss, $———. Recall 3.55 a. m.; electric and telegraph wires crossed.
Sunday 16	12	3.57	.....	306 E. Baltimore st	Dennett's Coffee House.	Eating-house	4	1, 2	Two-story brick.	Loss, $———. Recall 4.10 a. m.; defective electric wire.
Sun. 16	134	11.35	.....	S. E. cor. Eastern ave. and Mill st.	Chesapeake Lumber Co.	Lumber shed.			One-story frame.	Loss, $———. Recall 2.55 p. m.; tramps smoking in shed.
	2d alarm.	11.38	.....	517 S. Mill st.	R. Tyne Smith	Can factory.	1, 2, 3, 4, 5, 6, 9, 10, 11, 16	1,2,3,5	Four-story brick.	
	3d alarm.	11.41	.....							

Sunday 16	Silent.	.....	1.30	Rear of Monumental Theatre.	Joseph Kernan.	Shed.	....	1	One-story frame.	Loss, $———. Electric wire.
Sunday 16	Silent.	.....	4.00	1417 E. Pratt st.	Joseph Sappron	Tenement.	3	1	Three-story brick.	Loss, $———. Unknown.
Mond'y 17	387	6.48	.....	2812 Pennsylvania ave.	Charles W. Streets.	Refrigerator and icehouse	....	10	Two-story brick.	Loss, $———. Recall 7.06 a. m.; explosion of ammonia pipe.
Mond'y 17	25	.....	2.43	1008 Forrest st.	James Gibben.	Shed.	....	5	One-story frame.	Loss, $———. Recall 3.07 p. m.; explosion of a coal-oil stove.
Mond'y 17	Silent.	.....	2.59	1719 W. Pratt st.	Louis Schneider	Kitchen.	14	.....	One-story frame.	Loss, $——. Filling stove while lighted
Mond'y 17	342	.....	5.30	8 W. Preston st.	Delta Phi Fraternity.	Quarters of D. P. F.	....	.....	Four-story brick.	Loss, $———. Recall 5.37 p. m.; defective flue.
Mond'y 17	Silent.	.....	7.59	102 N. Green st.	Elite Laundry.	Laundry.	....	.....	Six-story brick.	Loss, $———. Gas issuing from ironing machine.
Tuesd'y 18	218	10.08	.....	801 E. Fayette st.	Merchants' Shot Co.	Boiler-house.	4, 6	1	One and a-half story brick.	Loss, $———. Recall 10.38 a. m.; sparks from stack.
Tuesd'y 18	634	.....	1.13	Foot of Allen st.	William E. Woodall & Co.	Storage-house	17	6	One-story frame.	Loss, $———. Recall 1.34 p. m.; unknown.
Wedn'y 19	419	.....	1.19	300 N. Eutaw st.	Mrs. Sallie O'Neal.	Hat store and office.	1	2	Three-story brick.	Loss, $———. Recall 1.43 p. m.; unknown.
Wedn'y 19	42	.....	4.24	12-14 N. Paca st.	M. J. & A. P. Miller.	Meat-packing establishment.	1, 15	2	Three-story brick.	Loss, $———. Recall 4.45 p. m.; grease igniting from fire made to smoke meats.

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Wedn'y 19	151	.....	6.33	117 S. Spring st.	Isaac Berlen.	Stable.	.....	3	One-story frame.	Loss, $——. Recall 6.45 p. m.; lighted match thrown in the straw.
Wedn'y 19	473	.....	6.47	416 N. Mount st.	Edward Frederick.	Dwelling.	.....	10	Two-story brick.	Loss, $——. Recall 7.03 p. m.; upsetting a coal-oil lamp.
Wedn'y 19	18	.....	10.53	2719 O'Donnell st.	Maryland Snuff Co.	Snuff factory.			Three-story brick; one-story frame.	Loss $——. Recall. 3.00 a. m.; unknown.
				1107 Binny st.	Antony Eureo.	Dwelling.			Two-story and attic brick.	
				1109 Binny st,	Chas. Langwood.	Dwelling.			Two-story and attic brick.	
				1113 Binny st.	William Lemki.	Dwelling.	5, 9, 11, 16	3	Two-story and attic brick.	
				1115 Binny st.	May Sedwith.	Dwelling.			Two-story and attic brick.	
				1111 Binny st.	John Finnerty.	Dwelling.			Two-story and attic brick.	
Thurs'y 20	Silent.	7.25	.....	940 N. Wolfe st.	Richard Pritchard.	Dwelling.	.....	.....	Two-story brick.	Loss $——. Explosion of a gasoline stove.
Thurs'y 20	Silent.	10.22	.....	707 Cannon st.	Wm. Hoover.	Kitchen.	11	.....	One-story frame.	Loss $——. Explosion of a coal-oil stove.

Thurs'y 20	331	.....	2.52	108 W. Saratoga st	S.F.McCormick.	Dwelling.	1	2	Three-story brick.	Loss $———. Recall 3.20 p. m.; escaping gas.
Thurs'y 20	412	.....	10.34	14 W. German st.	Tobias Cohen & Co.	Shirt-Waist factory.	2, 15	1, 2,	Four-story brick.	Loss $———. Recall 11.20 p. m.; unknown.
Friday 21	Silent.	4.25	.....	2100 N. Charles st.	Thomas Homes.	Manure pits.	.....	11	....	Loss, $———. Unknown.
Friday 21	Silent.	4.28	.....	232 Buchanan's Wharf.	Baugh Bros.	Storage shed.	3	.....	One-story frame.	Loss, $———. Spontaneous combustion.
Friday 21	482	8.32	.....	2026 Christlan st.	Jacob Goldman.	Dwelling.	8, 14	8, 10	Two-story brick.	Loss, $———. Recall 9.42 a. m.; pouring oil on lighted fire.
Friday 21	374	.....	5.25	803 W. North ave.	Mrs. Rebecca Chandler.	Out house.	.....	11	One-story frame.	Loss, $———. Recall 5.31 p. m.; hot ashes.
Friday 21	Special	.....	7.55	Bridge across Stony River.	U. R. E. Co.	Bridge.	.....	.....	....	Loss. $———. Unknown.
Friday 21	232	.....	6.55	1424 E. Lexington st.	George Cick.	Dwelling.	6	.....	Two-story brick.	Loss, $———. Recall 7.10 p. m.; unknown.
Friday 21	56	.....	11.20	923 Peach alley.	Mary Boyer.	Dwelling.	2	.....	Three-story brick.	Loss $———. Recall 11.31 p. m.; explosion of a coal oil lamp.
Friday 21	418	.....	11.59	310 W. Lexington st.	Hochschild & Kohn.	Department store.	.....	.....	Four-story brick.	Loss, $———. Recall 12.12 a. m.; burning waste paper.
Satur'y 22	Silent.	6.55	.....	1933 Frederick ave	John Kessler.	Dwelling.	14	.....	Two-story brick.	Loss,$———.Throwing out a lighted gasoline stove.

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Satur'y 22	345	.....	6.59	S. W. cor. Trenton st & Mason al.	S. R. Mason.	Stable.	.....	11	Two-story brick.	Loss, $——. Recall 7.20 p. m.; unknown.
Satur'y 22	233	.....	7.29	....	....	.....	.....	.....	....	Loss, $———. Recall 7.39 p. m.; false alarm.
Satur'y 22	467	.....	9.13	W. side of Frederick ave., Irvington.	U. R. E. Co.	Lamp room.	.....	.....	One-story brick.	Loss, $———. Recall 9.35 p. m.; dropping a lighted match.
Satur'y 22	Silent.	.....	11.14	107 S. Liberty st.	James H. Dennis.	Blacksmith shop.	15	.....	Two-story brick.	Loss, $———. Unknown.
Satur'y 22	393	.....	11.46	3429 Chestnut ave.	J. Smith.	Stable.	21	9	Two-story frame.	Loss, $———. Recall 1.22 a. m.; unknown.
Sunday 23	Silent.	8.47	.....	2225 Canton ave.	Louis Eckerts.	Shed.	11	.....	One-story frame.	Loss, $———. Overheated stovepipe.
				2227 Canton ave.	John Price.	Shed.	.....	.....	One-story frame.	
Mond'y 24	Silent.	3.54	.....	S. W. cor. Ostend and Race sts.	Keen & Hagerty	Out house.	.....	6	One-story brick.	Loss, $———. Boiling over of a pot of tar.
Mond'y 24	226	5.49	.....	1320 Orleans st.	Frank Johnson.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 5.53 a. m.; explosion of a coal oil lamp.

Mond'y 24	13	.....	5.49	306-316 W. Falls ave.	Eisenhauer, MacLea & Co.	Stables and office.	3, 4, 5.	1, 3	One and two-story frame, two-story brick.	Loss, $———. Recall 6.23 p. m.; spark dropped in water closet.
Mond'y 24	561	.....	7.04	S. W. cor. Howard and Ostend sts.	Pintsch Gas Co.	Office building.	2	6	One-story brick.	Loss, $———. Recall 7.26 p. m.; explosion of a can of coal oil.
Tuesd'y 25	214	7.57	.....	21N. Exeter st.	Morris Taylor.	Dwelling.	.....	1	Three-story brick.	Loss, $———. Recall 8.19 a. m.; explosion of a gasoline stove.
Tuesd'y 25	215	9.03	.....	234-236 Forrest st.	Edward Curran.	Stable.	6	.....	Two-story frame.	Loss, $———. Recall 9.11 a. m.; lighted candle ignited joists.
Tuesd'y 25	397	.....	2.55	627 Roland ave.	Benjamin Lowman.	Dwelling.	.....	9	Two-story frame.	Loss, $———. Recall 3.04 p. m.; unknown.
Tuesd'y 25	639	.....	5.30	1301 Andre st.	Henry Bing.	Dwelling.	.....	.....	Three-story frame	Loss, $———. Recall 5.40 p. m.; flames from gasoline stove.
Tuesd'y 25	387	.....	11.25	2653 Pennsylvania ave.	John Keiner.	Stable.	.....	.....	Two-story frame.	Loss, $———. Recall 11 44 p. m.; unknown.
Wedn'y 26	187	.....	1.27	1601-1603 S. Luzerne st.	W. B. Woolford.	Oakum foctory.	.....	.....	Two-story brick.	Loss, $———. Recall 1.39 p. m.; sparks from picker
Wedn'y 26	214	.....	1.41	1004 E. Fayette st.	Benjamin Brisco	Butcher shop & dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 1.45 p. m.; gasoline ignited while filling tank.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Wedn'y 26	525	.....	3.50	117 Hanover st.	J. Watson.	Clothes factory.	.....	.....	Four-story brick.	Loss, $———. Recall 3.59 p. m.; unknown.
Wedn'y 26	Silent.	.....	5.47	1901 Montrose st.	George Heineman.	Grocery store & dwelling	.....	.....	Two-story brick.	Loss, $———. Children playing with matches.
Wedn'y 26	479	.....	7.00	1556 Friendsbury st.	Henry Rheine.	Dwelling.	.....	10	Two-story brick.	Loss, $———. Recall 7.29 p. m.; unknown.
Wedn'y 26	233	.....	8.35	Loney Lane and Eager st.	Theodore Schenming.	Dwelling and out house.	9	3	Two-story frame.	Loss, $———. Recall 9.25 p. m.; explosion of a can of gasoline.
Thurs'y 27	441	1.35	.....	17 E. Baltimore st.	E. B. Harris.	Printing office	4, 15	2	Four-story brick.	Loss, $———. Recall 2.03 a. m.; unknown.
Thurs'y 27	469	6.28	.....	N. E. Cor. Dorsey & Lohr's Lanes.	Henry Lohr.	Dwelling.	14	8	Two-story and attic frame.	Loss, $———. Recall 7.22 a. m.; explosion of a gasoline stove.
Satur'y 29	477	11.34	.....	1825 Oakley st.	M. E. J. Batzely.	Dwelling.	.....	10	Two-story brick.	Loss, $———. Recall 11.51 a. m.; explosion of a gasoline stove.

Satur'y 29	519	.....	11.11	1152 Ridgley st.	David Hildebran	Pigeon coop.	12	6	One-story frame.	Loss, $———. Recall 11.35 p. m.; explosion of a coal-oil lamp.
October.										
Monday 1	Silent	.....	9.09	109–113 N. Frederick st.	M. L. Himmel.	Furniture factory.	....	1	Four-story brick.	Loss, $——. Sparks from furnace.
Tuesday 2	426	4 27	.....	1056 Raborg st.	Geo. Helfrich & Son.	Storage house	8, 14	2	Two-story brick.	Loss, $———. Recall 6.12 a. m; unknown.
Tuesday 2	216	11.20	.....	1141 McElderry st.	Isaac Oudit.	Dwelling.	....	.....	Three-story brick.	Loss, $———. Recall 11.29 a. m.; explosion of a gasoline stove.
Wedn'y 3	157	12.21	.....	818 S. Bond st.	Andrew Sonnski	Tenement.	3, 5, 9, 11	3	Two-story and attic brick.	Loss, $———. Recall 1.52 p. m.; defective flue.
Thurs'y 4	527	12.35	.....	325 S. Howard st.	Herman Peters and others.	Stable and dwelling.	....	.....	Three-story brick.	Loss, $———. Recall 12.46 a. m.; unknown.
Thurs'y 4	Silent.	6.29	.....	103 Albemarle st.	Nicholas Alexandras.	Dwelling.	3	.....	Two-story and attic brick.	Loss, $———. Explosion of a gasoline stove.
Friday 5	184 2d Alarm.	6.30 } 6.33 }	.....	2515 Boston st.	Canton Box Co.	Box factory.	3, 4, 5, 6, 9, 11, 16	1,3,5	Two story frame and brick.	Loss, $———. Recall 2 48 p. m.; unknown.
Friday 5	Silent.	.....	12 43	14 N. Charles st.	H. W. Diek Co.	Printing & stationery store	....	.....	Three-story brick.	Loss, $———. Unknown.
Friday 5	Silent.	.....	5.28	1117 N. Carey st.	Unoccupied.	Yard.	13	.....	....	Loss, $———. Unknown.
Friday 5	28	.....	9.25	1825 N. Gay st.	Henry Schatz.	Yard.	6 Chem.	.....	....	Loss, $———. Recall 9.36 p.m.; gasoline ignited by a lighted lantern.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Satur'y 6	576	1.10	1.10	W. side Caton ave. between Carroll st. & Wilkins ave.	American Ice Co.	Ice manufactory.	14	8	One-story frame.	Loss, $———. Recall 5.01 a. m.; heat from boiler.
Satur'y 6	714	3.24	.....	Reisterstown Pike	Alex. Brown.	Barn.	13, 20, 2 Chem.	10	Two-story frame.	Loss, $———. Recall 9.17 a. m.; unknown.
Satur'y 6	Silent.	10.30	.....	514 Olive place.	Henry Akehurst	Dwelling.	21	.....	Two-story and attic frame.	Loss, $———. Burning chimney.
Satur'y 6	235	.....	6.40	2215 E. Monument st.	Fredk. Reese.	Fish smoking shed.	6, 9	3	One-story frame.	Loss, $———. Recall 7.28 p. m.; unknown.
Satur'y 6	457	.....	6.58	1018 Woodyear st.	Perry W. Jackson.	Dwelling.	13	10	Two-story brick.	Loss, $———. Recall 7.28 p. m.; burning chimney.
Sunday 7	431	4.10	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.17 a. m.; false alarm.
Sunday 7	155	11.54	.....	1432 Gough st.	Sam'l Schwartzman.	Tenement.	5	3	Two and a half-story brick.	Loss, $———. Recall 12.25 p. m.; explosion of a gasoline stove.
Monday 8	353	8.01	.....	Cor. McMechen & North ave.	City of Baltimore.	Pumping station.	18	11	Two-story stone.	Loss, $———. Recall 9.02 a. m.; heat from furnace.
Monday 8	Silent.	.....	3.15	2504 Woodbrook ave.	Wm. Meister.	Dwelling.	2 Chem.	.....	Two-story brick.	Loss, $———. Unknown.

Monday 8	Special	.....	8.05	N. E. cor. Mt. Royal & Md.aves	Food show.	Cyclorama Building.	.....	.....	One-story frame.	Loss, $———. Unknown.
Tuesd'y 9	454	3.09	.....	1005 W. Lanvale st	George Scholl.	Chicken house.	13	10	One-story frame.	Loss, $———. Recall 3.35 a. m.; unknown.
Tuesd'y 9	394	.....	5.40	742 Thirty-fifth st.	Mrs. Ellen Bailey.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 5.52 p. m.; explosion of a gasoline stove.
Wedn'y 10	363	4.43	.....	528 Brune st.	W. Merryman.	Dwelling.	8, 13	4	Two and a half-story brick.	Loss, $———. Recall 5.02 a. m.; unknown.
Wedn'y 10	428	.....	5.43	859 W. Lexington st.	John Helwig.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 5.52 p. m.; explosion of a gasoline stove.
Thurs'y 11	481	10.03	.....	2014 Boyd st.	P. R. Backwald.	Dwelling and plumbing shop.	14	10	Two-story brick.	Loss, $———. Recall 10.52 a. m.; unknown.
Thurs'y 11	431	.....	4.40	710 Portland st.	Rachael Scheer.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 4.47 p. m.; gasoline stove taking fire.
Friday 12	442	.....	9.09	643 W. Fayette st.	Francis Foreman.	Dwelling.	.....	2	Three-story brick.	Loss, $———. Recall 9.24 p. m.; burning chimney.
Friday 12	Silent.	.....	10.06	4 S. Paca st.	G. F. Fuerst.	Cigar-box factory.	1	2	One-story brick and frame.	Loss, $———. Unknown.
Satur'y 13	181	1.04	.....	1209 S. Hare st.	Charles Easer.	Dwelling.	11	3	Two-story brick.	Loss, $———. Recall 1.32 a. m.; unknown.

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Satur'y 13	221	8.44	.....	310 N. Holliday st.	Unoccupied	Dwelling.	3, 4, 6, 9	1, 2	Two-story and attic brick.	Loss, $——. Recall 9.44 a. m.; unknown.
Satur'y 13	Special	.....	2.40	324 N. Broadway.	S. Hass.	Clothing-store.	.....	.....	Three-story brick.	Loss, $——. Electric wire.
Satur'y 13	241	.....	11.56	444 N. Front st.	Charles Deckwar.	Grocery store and dwelling.	6	1	Three-story brick.	Loss, $——. Recall 12.03 a. m.; explosion of a gasoline stove.
Sunday 14	143	.....	4.54	118 Gough st.	Isaac Cohen.	Dwelling.	3	3	Three-story brick.	Loss, $——. Recall 5.09 p. m.; explosion of a coal-oil stove.
Sunday 14	442	.....	7.42	678 W. Fayette.	Mrs. Mary Hickman.	Boarding-house.	.....	.....	Three-story brick.	Loss, $——. Recall 7.50 p. m.; smoke issuing from stove.
Mond'y 15	168	10.00	.....	612 S. Washington st.	Edward Hoyt.	Dwelling.	5, 11	3	Two-story and attic brick.	Loss, $——. Recall 10.15 a. m.; children playing with matches.
Mond'y 15	535	10.39	.....	1222 James st.	Helen Bailey.	Grocery store and dwelling.	10	.....	Two-story brick.	Loss, $——. Recall 10.54 a.m.; explosion of a gasoline stove.

Mond'y 15	128	.....	8.23	50 Marsh Market space.	Mrs. Lena Bear.	Grocery store and dwelling	....	1	Three-story brick.	Loss, $— —. Recall 8.35 p. m.; lighted candle ignited clothing.
Tuesd'y 16	617	11.13	.....	1747 Covington st.	W. G. Miller.	Dwelling.	....	.....	Two-story brick.	Loss, $ ——. Recall 11.24 a. m; explosion of a gasoline stove.
Tuesd'y 16	423	.....	7.31	724 W. Baltimore st.	M. Willis.	Paper-hanging store.	1	2	Three-story brick.	Loss, $——. Recall 7.43 p. m.; unknown.
Tuesd'y 16	482	.....	7.56	2026 Christian st.	Jacob Goldman.	Dwelling.	.....	.....	Two story brick.	Loss, $——. Recall 8.10 p. m.; upsetting coal-oil lamp.
Tuesd'y 16	Silent.	.....	9.10	....	Estate of John W. Garrett.	Farm.	5 Chem.	.....	....	Loss, $——. Unknown.
Wedn'y 17	337	2.15	.....	1201 Division st.	Thomas Holliday.	Dwelling.	....	.....	Three-story brick.	Loss, $——. Recall 2.22 a. m.; carelessness with matches
Wedn'y 17	Silent.	8.00	.....	1644 E. Fort ave.	Samuel Penn.	Dwelling.	....	.....	Two-story brick.	Loss,$ —— Spark from chimney.
Wedn'y 17	543	11.11	.....	210 E. Cross st.	John Mitler.	Kitchen.	12	.....	One-story frame.	Loss, $——. Recall 11.33 a. m.; explosion of a gasoline stove.
Wedn'y 17	Silent.	.....	6.54	43 N. Gay st.	Unoccupied.	Warehouse.	....	1	Four-story brick.	Loss, $ — —. Unknown.
Wedn'y 17	338	.....	9.15	511 N. Eutaw st.	Mrs. M. Schwartzberg.	Millinery store and dwelling.	1, 7, 15	2	Three-story brick.	Loss, $ ——. Recall 10.13 p. m.; unknown.

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Thurs'y 18	363	12.58	.....	819 George st.	T. B. Mitchell.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 1.10 a. m.; explosion of a coal oil lamp.
Thurs'y 18	38	.....	6.28	2201 Division st.	William Green.	Grocery store and dwelling.	.....	.....	Two-story brick.	Loss, $ ——. Recall 6.45 p. m.; upsetting coal-oil lamp.
Thurs'y 18	439	.....	10.11	29 S. Schroeder st.	G. Cruetzer.	Dye-house and dwelling.	8, 10	2	One-story brick.	Loss, $——. Recall 10.39 p m.; explosion of gasoline.
Friday 19	164	11.03	.....	345 S. Chester st.	John Staib.	Kitchen.	3, 11	3	One-story frame.	Loss, $ ——. Recall 11.29 a. m.; explosion of gasoline stove.
Friday 19	284	.....	5.00	212 Reese st.	Eliza Donavan.	Dwelling.	.....	.....	Two-story frame.	Loss, $———. Recall 5.08 p. m.; flames from a gasoline stove
Friday 19	Silent.	.....	9 15	307-309 S. Howard st.	Hiram Winternitz.	(In rear) junk shop.	2	.....	Two-story brick.	Loss, $ ——. Unknown.
Satur'y 20	393	11.19	.....	3442 Cedar ave.	John Sewell.	Dwelling.	.....	9	Three-story brick.	Loss, $ ——. Recall 11.33 a. m.; burning chimney.
Satur'y 20	34	.....	7.12	N. W. Cor. Read and Cathedral sts.	Miss Ella Culbreth and others.	Hotel Albion.	7	4	Four-story brick.	Loss, $———. Recall 7.45 p. m.; burning chimney.

				437 N. High st.	Peuss Oil Co.	Oil storage-house.			One-story frame.	
				.....	Eliza. Bloxham.	Dwelling.			Three-story brick.	
				435 N. High st. 901 Hillen st.	Emil Walker.	Grocery store and dwelling.			Three-story brick	
				903 Hillen st.	John Schriver.	Dwelling.			Two-story and attic brick.	
				905 Hillen st.	Samuel Vingo.	Dwelling.			Two-story and attic brick.	
Satur'y 20	241 2d alarm.	.....	7.14	907 Hillen st.	Morris Edelstein	Dwelling.	2, 3, 4, 6, 9, 15	1, 2, 5	Two-story and attic brick.	Loss, $———. Recall 9.40 p. m.; unknown.
		.....	7.19	909 Hillen st.	Chas. Schaarze.	Dwelling.			Two-story and attic brick.	
				911 Hillen st.	Thomas Claucy.	Dwelling.			Two-story and attic brick.	
				913 Hillen st.	John Downey.	Dwelling.			Two-story and attic brick.	
				915 Hillen st.	John Elliott.	Dwelling.			Two story and attic brick.	
				917 Hillen st.	Michael Leahy.	Dwelling.			Two-story and attic brick.	
Satur'y 20	432	.....	9.02	103 S. Poppleton st	John McKewen.	Dwelling.	.....	.....	Three-story brick.	Loss $———. Recall 9.39 p. m.; explosion of a gasoline stove.
Satur'y 20	535	.....	10.57	Cor. Bayard and Ward streets.	James Wright.	Manufacture fire brick.	10	.....	One-story frame.	Loss $———. Recall 1.04 a. m; unknown.
Sunday 21	Silent.	.....	1.56	307 N. Howard st.	Old Virginia Antique Co.	Furniture store.	.....	.....	Three-and-half-story brick-	Loss $———; unknown.
Sunday 21	636	.....	11.27	N.W. Cor. Decatur & Nicholson sts.	D. F. Haynes & Sons.	Pottery.	12, 16, 17	6	One-story frame.	Loss $———. Recall 1.04 a. m.; unknown.

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Mond'y 22	462	.....	3.13	1940 Lemon street.	L. Voerath.	(Dwelling) kitchen.	.....	.....	One-story frame.	Loss $———. Recall 3.25 p. m.; child playing with matches.
Mond'y 22	234	.....	8.33	1739 Jefferson st.	JohnC.Thomson	Dwelling.	9	.....	Three-story brick.	Loss $———. Recall 8.43 p. m.; dropping a coal-oil lamp.
Mond'y 22	441	.....	8.59	S. E. Cor. Baltimore & Charles streets.	T. A. Fitzpatrick & Co.	Importers and and jobbers in millinery goods.	4, 15	1, 2	Four-story iron.	Loss $———. Recall 9.33 p. m.; unknown.
Tues'y 23	492	3.00	.....	2566 Hollins st.	N. H. Weigroff.	Smoke-house.	14	8, 10	Two-story brick.	Loss $———. Recall 4.33 a. m.; excessive heat.
Tues'y 23	Silent.	4.25	.....	1147 McElderry st.	Bernard Levy & others.	Dwelling.	6	.....	Three story brick.	Loss $———; faulty construction.
Tues'y 23	426	11.52	.....	1110 W. Baltimore street.	William De Graw.	Paint store & dwelling.	....	.....	Three-story brick.	Loss $———. Recall 12.11 p. m.; children playing with matches.
Tues'y 23	Automatic 84	.....	2.00	112-114 S. Eutaw street.	George Franke.	Paper-box factory.	.....	.....	Seven-story brick.	Loss $———. Recall 2.18 p. m.; heat from steam caused the automatic box to register.

Tues'y 23	543	.....	7.24	.....	.....	.....	.....	.....	.....	Loss $———. Recall 7.30 p. m.; false alarm.
Wed'y 24	347	.....	7.58	1039 N. Calvert st.	I.FreemanRasin	Dwelling.	4, 7	4	Three-story brick.	Loss $———. Recall 9.26 p. m.; unknown.
Wed'y 24	Silent.	.....	8.29	1021 E. Lombard street.	Moses Losinsky and others.	Tenement.	3	.....	Three-story brick.	Loss $———; heat from gasoline stove igniting gasoline.
Thurs'y 25	182	12.40	.....	2303-2317 Boston st	William Gibbs & Co.	Shed.	11	3	One-story frame.	Loss $———. Recall 1.50 a. m.; heat from boiler.
Thurs'y 25	Silent.	1.49	.....	112–122 N. Eutaw street.	Joel Gutman & Co.	Dry goods store.	1	.....	Four-story brick.	Loss $———; unknown.
Thurs'y 25	39	.....	5.33	1615 N. Carey st.	Mason Brown.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 5.44 p. m.; upsetting lighted lamp.
Thurs'y 25	288	.....	6.13	445 E. 23d st.	William Cohen.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 6.19 p. m.; dropping a lighted lamp.
Thurs'y 25	354	.....	8.49	1121 Bolton st.	Mrs. Jennie Lockwood.	Boarding-house.	7, 13	11	Three-story brick.	Loss, $———. Recall 10.16 p. m.; overflow of a gasoline stove.
Friday 26	Silent.	5.45	.....	1801 N. Bethel st.	Harry Smith.	Dwelling.	19	.....	Two story brick.	Loss, $———. Burning chimney.
Friday 26	Silent.	.....	3.00	1643 W.Lanvale st.	M. Johenning.	Dwelling.	10	.....	Three-story brick	Loss, $———. Defective flue.
Sunday 28	Silent.	.....	5.50	24 S. Exeter st.	Morris Goldburg.	Tailoring establishment.	.....	.....	Three-story brick.	Loss, $ ——. Reflection of a lighted lamp.

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Mond'y 29	Silent.	8.10	.....	1416 Patapsco st.	George Long.	Dwelling.	.....	6	Two-story brick.	Loss, $——. Explosion of a gasoline stove.
Mond'y 29	13	11.46	.....	222 W. Falls ave.	F. P. B. Bohager	Shed.	3, 4	1	Two-story frame.	Loss, $——. Recall 12.21 p. m.; spontaneous combustion.
Mond'y 29	Silent.	.....	8.32	206 E. Baltimore st	Chas. E. Oberheim.	Jewelry repairing shop	.....	.....	Three-story brick.	Loss, $——. Reflection from blowpipe.
Tues. 30	713 2d alarm.	10.00	.....	Druid Hill ave. extended.	United Electric R. W. Co.	Car barn.	7, 8, 13, 20, 2 Chem.	4, 10	Two-story frame.	Loss, $——. Recall 2.43 p. m., unknown.
		10.06	.....	2590 Druid Hill ave.	Mrs. Mary Curley.	Dwelling.			Two-story frame.	
				2596 Druid Hill ave.	Frederick Lang.	Confectionery store and dwelling.			Two and a-half story frame.	
Tuesd'y 30	183	.....	8.22	905 Binney st.	Emma Thomas.	Dwelling.	11	.....	Two-story brick.	Loss, $——. Recall 8.32 p. m.; unknown.
Tuesd'y 30	432	.....	8.48	Mt. Clare Freight yard.	B. & O. R.R. Co.	Freight car No. 79528.	10	2	.....	Loss, $——. Recall 9.26 p. m.; unknown.
Tuesd'y 30	387	.....	11.30	Elgin ave., S. W. of Penna. ave.	Unoccupied.	Washhouse & kitchen.	13,2 Chem	10	One and a-half story frame. One and a-half story brick.	Loss, $——. Recall 1.33 a. m.; supposed incendiary.

Wedn'y 31	731	.....	8.05	Townsend and Washington sts.	Bethany M. E.	Church.	....	.....	One-story frame.	Loss, $———. Recall 8.18 p. m.
Wedn'y 31	361	.....	8.48	....	....	....	.....	.....	....	Loss, $———. Recall 8.58 p. m.; false alarm.
Nov.										
Thurs'y 1	152	2 57	.....	122 S. Bethel st.	Richard Robinson.	Dwelling.	5	3	Two-story and attic brick.	Loss, $———. Recall 3.12 a. m.; explosion of a coal-oil lamp.
Thurs'y 1	35	9.02	.....	911 Linden ave.	John H. Brown.	Dwelling.	....	4	Three-story brick.	Loss, $———. Recall 9.12 a. m.; overheated stove.
Thurs'y 1	463	9.29	.....	1603 Cole st.	Robert Custis.	Dwelling.	14	10	Two-story brick.	Loss, $———. Recall 9.55 a. m; rags in stove-pipe hole taking fire.
Thurs'y 1	217	9.53	.....	503 N. Exeter st.	Martin Hollaran	Dwelling.	....	.....	Two story and attic brick.	Loss, $———. Recall 9.59 a. m.; explosion of a gasoline stove.
Thurs'y 1	Silent.	.....	1.39	530 Hoffman st.	John B. Harrod.	Dwelling.	7	.....	Two story and attic brick.	Loss, $———. Overheated stove.
Thurs'y 1	523	.....	7.36	....	....	....	....	.....	....	Loss, $———. Recall 7.43 p. m.; false alarm.
Thurs'y 1	469	.....	8.02	Dorsey lane, N. of Old Frederick road.	Louis Zaiser.	Stable and barn.	14	8	Two-story frame.	Loss, $———. Recall 5.14 a. m.; supposed incendiary.
Thurs'y 1	Silent.	.....	8.35	501 W. Fayette st.	Union League Repub. Club.	Clubhouse.	1	.....	Three-story brick.	Loss, $———. Fireworks.

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Friday 2	413	.....	4.43	13 Hopkins place.	Cohen & Samuels.	Straw goods dealer.	1, 2, 4, 7, 15	1, 2	Four-story brick.	Loss, $———. Recall 6.50 p. m.; unknown.
Friday 2	.....	.....	.....	15 Hopkins place.	Arnold & Son.	Surgical instruments.	.....	.....	Three-story brick.	.....
Friday 2	482	.....	5.35	S. W. cor. Eagle and Payson sts.	Eureka Coat Pad Co.	Coat pad factory.	14	8	One-story brick.	Loss, $———. Recall 6.15 p. m.; friction of machinery.
Satur'y 3	369	3 50	.....	1735 Linden ave.	John K. Ober.	Yard.	13	.....	.....	Loss, $———. Recall 4.08 a. m.; boxes ignited by hot ashes.
Saturd'y 3	Silent.	12.13	.....	1 S. Frederick st.	C. Castine.	Theatre.	.....	.....	Two-story brick.	Loss,$——— Smoke from furnace.
Satur'y 3	Silent.	.....	3.52	44-46 Garrison lane.	John Marr.	Yard of brewery.	.....	8	.....	Loss, $———. Hot tar boiling over.
Satur'y 3	Silent.	.....	6.25	823 Granby st.	Joseph Randers and others.	Tenement.	3	.....	Three-story brick	Loss, $———. Table cloth igniting from gasoline stove.
Sunday 4	Silent.	8.20	.....	1614 Aisquith st.	John Prell.	Dwelling.	.....	5	Two-story brick.	Loss,$———. Burning chimney.
Sunday 4	532	.....	5.38	621 W. Barre st.	James Allen.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 5.44 p. m.; explosion of a coal-oil lamp.

Monday 5	339	2.35	.....	719 N. Calvert st.	Hugh Sisson.	Dwelling.	4, 7	4	Three-story brick.	Loss, $———. Recall 4.03 a. m.; unknown.
Monday 5	531	7.21	.....	835 S. Paca st.	Jesse Benson.	Shed.	10	.....	One-story frame.	Loss, $———. Recall 7.32 a. m.; explosion of a gasoline stove.
Monday 5	Automatic 814	.....	2.38	614 W. Baltimore st.	Elite Laundry.	Laundry.	1	2	Two-story and attic brick.	Loss, $———. Recall 2.55 p. m.; unknown.
Monday 5	354	.....	3.57	229 Dolphin st.	Charles Waesche & Son.	Grocery store and dwelling.	7	.....	Three-story brick.	Loss, $———. Recall 4.30 p. m.; unknown.
Tuesday 6	613	12.09	.....	Foot of Covington st.	W. H. Bixler & Co.	Tool house.	2, 12	6	One-story frame.	Loss, $———. Recall 12.50 a. m.; overheated stove.
Tuesday 6	287	10.37	.....	2705 York road.	Charles Green.	Dwelling.	4 Chem.	.....	Three-story brick.	Loss, $———. Recall 10.44 a. m.; leaking gasoline tank.
Tuesday 6	Silent.	11.25	.....	1215 Raborg st.	James Scott.	Dwelling.	8	.....	Two-story brick.	Loss, $———. Unknown.
Tuesday 6	382	.....	6.22	N. W. Cor. Bloom st. and McCulloh alley.	Jos. Hampson.	Carpenter Shop.	7, 13, 2 Chem.	11	One-story frame.	Loss, $———. Recall 7.13 p. m.; sparks from bonfire.
Wedn'y 7	523	1.34	.....	408 W. Barre st.	William Gray.	Stable and storage.	1, 2	2	Three-story brick.	Loss, $———. Recall 3.10 a. m.; unknown.
Wedn'y 7	523	7.10	.....	408 W. Barre st.	William Gray.	Stable and storage.	2	.....	Three-story brick.	Loss, $———. Recall 7.28 a. m.; sparks from previous fire.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	HOUR A.M.	HOUR P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Wedn'y 7	289	7 29	.....	2309 York road.	J. A. Bokel.	Stable.	18, 4 Chem	.....	One-story frame.	Loss, $———. Recall 7.57 a. m.; unknown.
Wedn'y 7	635	.....	1.40	1433 Richardson st	Max Hecker.	Dwelling.	17	6	Two-story brick.	Loss, $———. Recall 2.16 p. m.; overheated stove pipe.
Wedn'y 7	291	.....	2.16	2512 York road.	Unoccupied.	Store and dwelling.	4 Chem.	7	One and a half-story brick.	Loss, $———. Recall 2.36 p. m; unknown.
Wedn'y 7	Silent.	.....	4.20	1207 Mosher st.	Zelliah Evans.	Stable.	.....	10	Two-story frame.	Loss, $———. Unknown.
Wedn'y 7	34	.....	5.52	1102 N. Charles st.	Wm. H. Moale.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 6.12 p. m.; sparks from chimney.
Thurs'y 8	46	7.11	.....	1630 Hollins st.	C. M. Shunkowler.	Dwelling.	.....	10	Three-story brick.	Loss, $———. Recall 7.27 a. m.; burning chimney.
Thurs'y 8	218	11.48	.....	28 S. Front st.	Steward B. Carr.	Iron foundry.	.....	.....	One story frame.	Loss, $———. Recall 11.53 a. m.; tar boiling over.
Thurs'y 8	461	.....	2.23	1727 W. Pratt st.	George Rosendale.	Saloon and dwelling.	.....	10	Three-story brick.	Loss, $———. Recall 2.36 p. m.; gasoline ignited by lighted candle.

Thurs'y	8	44	.....	8.57	Cor. Holliday and Second sts.	Lawford & McKim.	Chamber of Commerce.	4		1	Four-story brick.	Loss, $———. Recall 9.18 p. m.; canvas ignited by lighted gas jet.
Friday	9	Silent.	4.17	.....	S. W. cor. Hanover and Camden sts.	C. D. Kenny.	Tea store.	2		.....	Four-story brick.	Loss, $———. Defective insulation of wire.
Friday	9	353	10.29	.....	1934 Mt. Royal ave	W. F. Wheatley.	Dwelling.	.....	.....	11	Three-story brick.	Loss, $———. Recall 10.50 a. m.; explosion of a coal-oil stove.
Friday	9	Silent.	10.43	.....	316 St. Paul st.	Hector McRea.	Electric machine shop.	.....	.....	.....	Two-story brick.	Loss, $———. Defective electric wire.
Friday	9	64	11.30	.....	1701 Light st.	George Gunther	Shoe store and dwelling.	12		6	Three-story brick	Loss, $——. Recall 11.54 a. m.; overheated stovepipe.
Friday	9	Silent.	11.49	.....	416 W. Lexington st.	Conrad Darsch.	Hotel and restaurant.	1		.....	Four-story brick.	Loss, $———. Unknown.
Friday	9	492	.....	1.51	64 Garrison la.	Charles Long.	Smokehouse.	14		8, 10	Three-story brick.	Loss, $——. Recall 2.44 p. m.; overheated smokehouse
Friday	9	53	.....	1.53	1104 Carroll st.	Charles Kropp.	Dwelling.	10		6	Two and a-half story brick.	Loss, $———. Recall 2.43 p. m.; gasoline ignited by lighted candle.
Friday	9	Silent.	.....	3.40	4 E. Biddle st.	J. Manson Smith	Dwelling.	18		.....	Three-story brick.	Loss, $———. Burning chimney.
Friday	9	Silent.	.....	3.45	64 Garrison la.	Charles Long.	Smokehouse.	.....	.....	8	Three-story brick.	Loss $——. Sparks from previous fire.
Friday	9	475	.....	5.58	530 N. Fulton ave.	A. L. McCurry.	Dwelling.	.....	.....	.....	Three-story brick.	Loss, $———. Recall 6.13 p. m.; meat igniting from heat of gas stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Ser'ce.	Style of Building.	Remarks.
Friday 9	21	.....	6.47	225–231 N. Frederick st.	Pearson & Passano.	Shirt factory.	3, 4, 6	1, 2	Three-story brick.	Loss, $——. Recall 8.15 p. m.; unknown.
Friday 9	398	.....	7.35	Charles st. ave., near Merryman's la.	William Wyman	Dwelling.	4 Chem.	.....	Three-story brick.	Loss, $——. Recall 8.32 p. m.; burning chimney.
Friday 9	353	.....	9.10	1907 Twittle al.	John Buckley.	Shed.	18	11	One-story frame.	Loss, $——. Recall 9.33 p. m.; unknown.
Friday 9	.....	.....	.....	Twittle alley.	Unoccupied.	Shed.	.....	.....	One-story frame.	.....
Friday 9	Special	.....	10.30	144 E. Lanvale st.	Benj. Taylor.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Smoke issuing from register.
Satur'y 10	15	6.29	.....	424 S. Dallas st.	Frederick Henson.	Shed.	3, 5, 11	3	One-story frame.	Loss, $——. Recall 7.35 a. m.; explosion of a gasoline stove.
Satur'y 10	.....	.....	.....	422 S. Dallas st.	Stephen Jackson.	Stable. and Dwelling.	.....	.....	Two and half-story brick.	.....
				426 S. Dallas st.	Louis Seily.	Dwelling.	.....	.....	Two-story brick.	.....
Satur'y 10	358	9.03	.....	1229 Guilford ave.	Patrick Collins.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 9.11 a.m.; leak in gas pipe.
Satur'y 10	314	10.51	.....	523 N. Howard st.	John Deehl.	Summer kitchen.	7	.....	One-story frame.	Loss, $——. Recall 11.11 a. m.; unknown.

Satur'y 10	445	11.42	.....	120 N. Poppleton.	James McGee.	Dwelling.	....	.....	Three story brick.	Loss, $———. Recall 12.06 p. m.; explosion of bottle of gasoline.
Satur'y 10	Silent.	.....	12.27	1523 Myrtle ave.	Harry Gilbert.	Dwelling.	13	.....	Three story brick.	Loss, $———. Upsetting a coal-oil stove.
Satur'y 10	526	.....	3.15	118 Perry st.	Horace Johnson.	Dwelling.	1, 2, 15	2	Three-story brick.	Loss, $———. Recall 3.34 p. m.; overheated stove.
Satur'y 10	153	.....	5.02	1430 Hammond al.	Thomas Hogg.	Stable.	....	.....	Two-story brick.	Loss, $———. Recall 5.09 p. m.; burning waste paper.
Satur'y 10	Silent.	.....	6.30	225 Sharp st.	Mrs. Wilner.	Dwelling.	2	.....	Two and a half-story brick.	Loss, $———. Burning chimney.
Sunday 11	Silent.	1.12	.....	1448 Hull st.	John Holthouse	Stable.	17	.....	One-story frame.	Loss, $———. Unknown.
				1450 Hull st.	Matilda Reese.	Stable.	....	.....	One-story frame.	
Mond'y 12	238	12.37	.....	....	....	....	....	.....	....	Loss, $———. Recall 12.43 a. m.; false alarm.
Mond'y 12	224	11.24	.....	N. Gay st.	Fire Alarm Subway.	As Subway.	6	.....	... .	Loss, $———. Recall 12.46 p. m.; explosion of gas.
Mond'y 12	43	.....	12.48	....	....	....	....	.....	....	Loss, $——— Recall 12.52 p. m.; false alarm.
Mond'y 12	417	.....	1.46	....	....	....	....	.....	....	Loss, $———. Recall 1.52 p. m.; false alarm.
Mond'y 12	294	.....	6.19	....	....	....	....	.....	....	Loss, $———. Recall 6.31 p. m.; false alarm.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	HOUR A.M.	HOUR P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
		1.34	.....	318 S. Collington ave.	Thos. Meclieur.	Shed and out-house.	5, 11	3	One-story frame.	Loss, $———. Recall 2.18 a. m.; unknown.
Tuesd'y 13	175	.....	.....	320 S. Collington ave.	James Thie.	Shed.	.....	.....	One-story frame.	
		.....	.....	309 Duncan alley.	James Ruzicka.	Shed.	.....	.....	One-story frame.	
Tuesd'y 13	244	1.37	.....	851–853 Greenmount ave.	Daniel Rider.	Feed storage house.	3, 4, 6, 7, 19	1, 5, 10, 11	Two story brick.	Loss, $———. Recall 9.50 a. m.; unknown.
Tuesd'y 13	2d alarm.	1.42	.....	849 Greenmount ave.	Unoccupied.	Store and dwelling	.....	.....	Two-story and attic brick.	.....
		.....	2.35	210 W. Falls ave.	F. P. R. Bohager	Stable and storage.	3, 4, 5, 6, 15	1, 3	Two story frame.	Loss, $———. Recall 4.31 p. m.; spontaneous combustion.
Tuesd'y 13	13	.....	.....	208 W. Falls ave.	James E. Dubell	Junk shop.	.....	.....	Two-story frame and brick.	
		.....	.....	212 W. Falls ave.	F. P. R. Bohager	Office.	.....	.....	One-story brick.	
Tuesd'y 13	482	.....	5.37	1906 Christian st.	Peter Shingland	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 5.54 p. m.; upsetting coal-oil lamp.
Wedn'y 14	242	3.57	.....	853 Greenmount ave.	Daniel Rider.	Feed and storage house	6	5	Two-story brick.	Loss, $———. Recall 4.56 p. m.; rekindling of previous fire.
Wedn'y 14	Silent.	4.40	.....	3922 Launds ave.	Wm. Vogel.	Dwelling.	.....	7	Two-story frame.	Loss, $———. Defective flue.

Wedn'y 14	324	7.33	.....	559 Orchard st.	Catharine Dorsey.	Dwelling.	....	.....	Three-story brick.	Loss, $———. Recall 7.40 a. m.; smoke from window.
Wedn'y 14	262	8.36	.....	1030 N. Broadway.	Annie Moran.	Dwelling.	9	.....	Three-story brick.	Loss, $———. Recall 8.51 a. m., explosion of a gasoline stove.
Wedn'y 14	367	.....	5.43	....	....	....	....	.....	....	Loss, none. Recall 5.50 p. m.; false alarm.
Wedn'y 14	Silent.	3.52	.....	421 St. Mary st.	Hester Full.	Dwelling.	7	.....	Two and a half-story brick.	Loss, $———. Unknown.
Wedn'y 14	Silent.	.....	8.50	7 E. Lombard st.	E. B. Read & Son.	Lithographer and printer.	....	.....	Five-story brick.	Loss, $———. Back draft.
Thurs'y 15	158	.....	5.03	825 S. Dallas st.	Wm. Vizenski.	Dwelling.	....	3	Two-story brick.	Loss, $———. Recall 5.22 p. m.; sparks from stack.
Thurs'y 15	329	.....	6.16	Paca street, bet. Franklin and St. Mary streets.	St. Sulpice Seminary.	Seminary.	7	4	Six-story brick.	Loss $———. Recall 7.06 p. m.; heat of range igniting grease.
Thurs'y 15	572	.....	6.59	Forrest ave. W. of Liberty road.	....	Woods.	20, 3 chem	.....	....	Loss $———. Recall 7.56 p. m.; set on fire.
Thurs'y 15	Silent.	.....	10.13	S. W. Cor. Greene & Lexington sts.	C. D. Kenny.	Tea and coffee store.	....	.....	Four-story brick.	Loss $———; unknown.
Friday 16	56	12.07	.....	167 Hamburg st.	Patrick O'Brien.	Stable.	2	6	Two-story brick.	Loss $———. Recall 12.58 a. m.; overheated stovepipe.
Friday 16	634	11.58	.....	1550 Boyle street.	Wm. Williams.	Dwelling.	12	.....	Two-story brick.	Loss $———. Recall 12.16 p. m.; unknown.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Friday 16	634	.....	12.33	1550 Boyle street.	Wm. Williams.	Dwelling.	2, 12, 17	6	Two-story brick.	Loss $——— Recall 1.35 p. m.; unknown.
Friday 16	43	.....	2.18	627 W. Lombard st.	A. Blondheim.	Dwelling.	15	2	Three-story brick.	Loss $———. Recall 2.33 p. m.; unknown.
Friday 16	238	.....	2.34	1414 E. Madison st	Walt. De Shields	Grocery store and dwelling	9	.....	Two-story-and-attic brick.	Loss $———. Recall 2.46 p. m.; upsetting coal-oil stove.
Friday 16	336	.....	4.32	201 W. Franklin st.	Mrs. M. Arthur.	Boarding-house.	7	4	Four-story brick.	Loss $———. Recall 6.34 p. m.; hot-air furnace pipe.
Friday 16	535	.....	7.53	1407 Ward street.	James Hutton.	Dwelling.	10	.....	Two-story brick.	Loss $———. Recall 8.11 p. m.; unknown.
Friday 16	128	.....	10.53	606-608 Water st.	Wm. R. Rutley and others.	Electrical Co.	3, 4	1	Five-story brick.	Loss $———. Recall 11.21 p. m.; unknown.
Friday 16	155	.....	11.31	253 S. Bond st.	M. Rosch.	Dry goods store and dwelling.	5	3	Three-story brick.	Loss $———. Recall 11.49 p. m.; heat from coal-oil stove.
Frid'y 16	134	.....	11.44	522 Union Dock.	Balto. Waste Co.	Storage warehouse.	1, 2, 3, 4, 6, 11, 15, 16	1, 2, 3	Three-story brick.	Loss $———. Recall 12.07 a. m. November 17th; unknown.
	2d alarm.		11.49							
	3d alarm.		11.53							

Satur'y 17	Silent.	6.35	.....	Gibson wharf, foot of Thames st.	Roland Finck, (owner.)	Tugboat Edna	16	.....	.....	Loss $———; unknown.
Satur'y 17	525	10.59	.....	123 W. Pratt st.	Mrs. Mary Wynsketter.	Saloon and tenement	.....	.....	Three-story-and-attic brick.	Loss $——. Recall 11.06 a. m.; leaking gasoline stove.
Satur'y 17	Silent	.....	3.20	Charles st., near Merryman's lane	County School.	School house.	4 Chem.	.....	Two-story brick and frame.	Loss,$———. Burning brush.
Satur'y 17	Silent.	.....	6.25	208 S. Ann st.	Mrs. M. Baker.	Dwelling.	5	.....	Three-story brick.	Loss, $———. Heat from oil stove.
Satur'y 17	Silent.	.....	6.50	308 N. Exeter st.	Jesse Kirby and others.	Office & dwelling.	.....	.....	Three-story brick.	Loss, $———. Rags ignited by lighted match.
Satur'y 17	164	.....	8.41	1936 Bank st.	Sylvester Portugal.	Dwelling.	.....	3	Three-story brick.	Loss, $———. Recall 3.53 p. m.; carelessness with a lighted candle.
Satur'y 17	621	.....	9.41	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.49 p. m.; false alarm.
Satur'y 17	361	.....	11.29	.....	.....	.....	.....	.....	.....	Loss, none. Recall 11.38 p. m.; false alarm.
Sunday 18	163	12.38	.....	1735 E. Baltimore st.	Mrs. Isabella Lusby.	Board'g house	.....	3	Three-story brick.	Loss, $———. Recall 12.57 a. m.; unknown.
Sunday 18	Silent.	11.05	.....	853 Greenm'nt ave	Daniel Rider.	Feed and storage house.	6	.....	Two-story brick.	Loss, $———. Rekindling of previous fire.
Sunday 18	Silent.	.....	2.05	W. Liberty road, N. Walbrook.	Horace Slingluff	Woods.	20	.....	.....	Loss, $———. Unknown.
Sunday 18	23	.....	2.53	1308 Orleans st.	Mary Ruhl.	Dry goods store and dwelling.	9	3	Three-story brick.	Loss, $———. Recall 3.16 p. m.; falling with coal-oil stove.

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Sunday 18	732	.....	3.57	1516 Hopkins ave.	Andrew F. Houzer.	Dwelling.	19	.....	Two-story brick.	Loss, $———. Recall 4.18 p. m.; curtain ignited by lighted match.
Sunday 18	736	.....	4.47	1744 N. Bond st.	Chas. T. Pearce.	Stable.	19	3	One-story frame.	Loss, $———. Recall 5.05 p. m; unknown.
Sunday 18	Silent.	.....	7.30	918 N. Gilmor st.	John A. Wilber.	Dwelling.	.....	10	Three-story brick.	Loss, $———. Explosion of a coal-oil stove.
Sunday 18	Silent.	.....	7.00	Charles st., near Merryman's lane	County School.	School house.	4 Chem.	7	Two-story frame and brick.	Loss, $———. Burning brush.
Sunday 18	624	.....	11.26	....	.....	.....	.....	.....	.....	Loss, $———. Recall 11.33 p. m.; false alarm.
Mond'y 19	Silent.	6.18	.....	408 E. Fort ave.	Chas. H. Brandh	Dwelling.	12	.....	Two-story brick.	Loss, $———. Curtain ignited by lighted gas jet.
Mond'y 19	191	.....	5.18	1100 S. Patuxent st	Thos. Wolfe and others.	Tenement.	.....	.....	Three-story brick.	Loss, $———. Recall 5.27 p. m.; heat from gasoline stove.
Tuesd'y 20	Silent.	11.30	.....	1447 Towson st.	Chas. Peterson.	Dwelling.	17	.....	Two-story brick.	Loss, $———. Explosion of a gasoline stove.

Tuesd'y 20	Silent.	.....	7.50	906 N. Fremont ave.	D. E. M. Reed.	Dwelling.	13	.....	Three-story brick.	Loss, $———. Curtain ignited by lighted match.
Wedn'y 21	13	.....	2.45	212 W. Falls ave.	Unoccupied.	Office.	3	1	One-story brick.	Loss, $———. Recall 3.03 p. m.; supposed incendiary.
Wedn'y 21	394	.....	5.15	297 Roland ave.	Miss Annie Hare	Dwelling.	.....	9	Two-story frame.	Loss, $———. Recall 5.29 p. m.; burning chimney.
Wedn'y 21	572	.....	5.30	N. of Liberty road, N. Walbrook.	Horace Slingluff	Woods.	20	.....	.....	Loss, $———. Recall 7.04 p. m.; set on fire by tramps.
Wedn'y 21	561	.....	10.43	N. E. cor. Leadenhall and Stockholm sts.	Baltimore Cooperage Co.	Barrel factory	2, 12	6	One-story brick.	Loss, $———. Recall 11.27 p. m., sparks from furnace.
Thurs'y 22	Silent.	6.47	.....	200 W. Falls ave.	Asendorf & Dryer.	Box factory.	3	.....	Three-story brick.	Loss, $———. Unknown.
Thurs'y 22	Silent.	6.28	.....	S. W. cor. Eutaw and Pratt sts.	Mrs. Henry Bumbaugh.	Saloon and dwelling.	.....	.....	Two and a-half story brick.	Loss, $———. Overfilling gasoline stove.
Thurs'y 22	Silent.	9.05	.....	709 Church st.	M. Thomas.	Dwelling.	20	.....	Two-story frame.	Loss, $———. Children playing with matches.
Thurs'y 22	226	9.16	.....	1113 Orleans st.	Henry Freidman.	Dwelling.	6	.....	Three-story brick.	Loss, $———. Recall 9.22 a. m.; can of gasoline igniting.
Thurs'y 22	Silent.	.....	1.08	1407 Olive st.	Henry A. Bachman.	Dwelling.	.....	6	Two-story brick.	Loss, $———. Explosion of a gasoline stove.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Thurs'y 22	317	.....	5.20	118–120 Centre st.	George E. Peterson & Co.	Oyster house.	.....	.....	One-story brick.	Loss, $———. Recall 5.26 p. m.; explosion of a coal oil lamp.
Friday 23	35	12.25	.....	222 W. Biddle st.	Emma Shipley.	Dwelling.	.....	4	Three-story brick.	Loss, $———. Recall 12.37 a. m.; hot ashes.
Friday 23	Silent.	8.20	.....	19 S. Ann st.	Charles James.	Dwelling.	.....	3	Three-story brick.	Loss, $———. Heat from stove.
Friday 23	Silent.	.....	4.42	297 Roland ave.	Annie Hare.	Dwelling.	21	.....	Two-story frame.	Loss, $———. Burning chimney.
Friday 23	289	.....	6.46	C o r. Montebello ave. and B. & O. R. R.	.....	Woods.	4 Chem.	.....	.....	Loss, $———. Recall 7.06 p. m.; sparks from engine.
Friday 23	736	.....	7.41	1816 N. Caroline st	Wm. Vansant.	Dwelling.	19	.....	Three-story brick.	Loss, $———. Recall 7.54 p. m.; explosion of a coal-oil lamp.
Friday 23	Silent.	.....	8.15	802 McDonogh st.	George Walker.	Dwelling.	9	.....	Three-story brick.	Loss, $———. Unknown.
Friday 23	155	.....	9.43	305 S. Dallas st.	Josephine Jackson and others	Dwelling.	5	3	Two-story br ck.	Loss, $———. Recall 9.58 p. m.; carelessness with lighted candle.

Satur y 24	56	.....	4.58	162 W. Hamburg st	Matthew Wesley	Dwelling.	2, 12, 15	6	Two story brick.	Loss, $———. Recall 5.44 p. m.; explosion of a gasoline stove.
Satur'y 23	Special	.....	10.30	1215 E. Oliver st.	William A. Hellman.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Extinguished by occupant; explosion of a coal-oil lamp.
Sunday 25	163	7.30	.....	22 S. Durham st.	Margaret Dedio.	Dwelling.	.....	3	Two-story brick.	Loss, $———. Recall 7.42 a. m.; leaking gasoline stove.
Sunday 25	397	11.13	.....	627 Elm ave.	Franklin Ensor.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 11.24 a. m.; unknown.
Sunday 25	425	11.50	.....	879 Raborg st.	Hannah Cook.	Dwelling	8, 14	2	Three-story brick.	Loss, $———. Recall 12.38 p. m.; sparks from chimney.
Sunday 25	Special	.....	9.00	317 W. Franklin st	R. J. Campbell.	Saloon and dwelling.	7	.....	Three-story brick.	Loss, $———. Burning chimney.
Sunday 25	416	.....	9.03	517 W. Lombard st	Unoccupied.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 9.25 p. m.; explosion of illumating gas.
Mond'y 26	Silent.	8.42	.....	314 W. Lombard st	Mrs. Geo. Miller	Furnished room house.	.....	.....	Four-story brick.	Loss, $———. Explosion of a gasoline stove.
Mond'y 26	479	.....	11.46	1729 Friendsbury pl.	J. W. Ament.	Dwelling.	13, 2 Chem	10	Two-story brick.	Loss, $———. Recall 1.05 a. m.; unknown.
Tuesd'y 27	183	11.53	.....	837 S. Chesapeake st.	William L. Ruhe	Dwelling.	11	.....	Two-story brick.	Loss, $———. Recall 12.08 a. m.; overheated coal-oil stove.

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DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Tuesd'y 27	Special	.....	1.50	1621 Thames st.	Joseph Schnede	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $ —. Sparks from chimney.
Tuesd'y 27	Silent.	.....	9.42	16 W. Baltimore st	Keen & Hagerty Mfg. Co.	Warerooms of tinware.	.....	.....	Five-story iron	Loss, $ ——. Overheated furnace.
Tuesd'y 27	416	.....	10.04	607 W. Baltimore st	Wing Wah.	Laundry and dwelling.	1	2	Three-story and attic brick.	Loss, $——. Recall 10.29 a. m.; overheated stovepipe.
Wedn'y 28	Silent.	.....	5.35	606 Water st.	Hermange & Co.	Hinge factory	.....	.....	Two-story brick.	Loss, $——. Spark from chimney.
Wedn'y 28	232	.....	9.37	1639 E. Fayette st.	Thomas Murphy	Dwelling.	9	.....	Three-story brick.	Loss, $——. Recall 9.58 p. m.; explosion of a coal-oil lamp.
Thurs'y 29	Silent.	2.08	.....	1910 Eutaw Place.	Jemison Eisman	Dwelling.	7	.....	Four-story brick.	Loss, $——. Spontaneous combustion.
Thurs'y 29	252	.....	8.56	705 E. Preston st.	Wm. F. Hammond.	Dwelling.	.....	5	Three-story brick.	Loss, $——. Recall 9 05 a. m.; gasoline tank igniting.
Thurs'y 29	272	.....	4.26	1926 E. Biddle st.	Joseph Schiede.	Chicken coop	.....	.....	One-story frame.	Loss, $——. Recall 4.35 p. m.; unknown.
Thurs'y 29	271	.....	4.31	1817 Ashland ave.	John Mori.	Dwelling.	9	3	Two-story brick.	Loss, $——. Recall 4.56 p. m.; unknown.

Thurs'y 29	428	.....	6.03	1001 W. Lexington st.	N V. Stevens.	Oyster saloon and dwelling	8	.....	Three-story brick.	Loss, $———. Recall 6.20 p. m.; upsetting coal-oil stove.
Thurs'y 29	68	.....	10.13	Corner Wells and Charles sts.	P. Kennedy.	Iron foundry.	.....	.....	One-story brick.	Loss, $———. Recall 10.20 p. m.; unknown.
Friday 30	417	.....	3.04	601 Columbia ave.	Michael O'Brien	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 3.16 p. m.; children playing with matches.
Friday 30	261	.....	6.19	1038 N. Eden st.	Stanley Young.	Dwelling.	.....	5	Three-story brick.	Loss, $———. Recall 6.31 p. m.; explosion of gas.
Friday 30	Silent.	.....	8.33	12 Harrison st.	Solomon Shilman.	Clothing store and dwelling	.....	.....	Two-story and attic brick.	Loss, $——. Smoke from chimney.
Dec.										
Saturd'y 1	Silent.	5.45	.....	325 S. Howard st.	Wm. Brown.	Dwelling.	2	.....	Three-story brick.	Loss, $———. Unknown.
Saturd'y 1	417	.....	6.04	543 Columbia ave.	Charles Beal.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 6.14 p. m.; window shade ignited by gas jet.
Saturd'y 1	424	.....	9.37	227 N. Fremont ave.	Louis Lielich.	Dwelling.	8	2	Two and a-half story brick.	Loss, $———. Recall 10.14 p. m.; explosion of gasoline stove.
Sunday 2	7	9.11	.....	.....	B. & O. R. R. Co.	Caboose car.	18	11	.....	Loss, $———. Recall 10.35 a. m.; upsetting stove.
Sunday 2	373	9.52	.....	1340 N. Carey st.	Thomas Barnett.	Dwelling.	13	.....	Three-story brick.	Loss, $———. Recall 10.05 a. m.; unknown.

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Sunday 2	392	.....	6.32	2803 Huntingdon ave.	Mrs. Sadie Reynolds.	Dwelling.	... .	11	Two-story brick.	Loss, $———. Recall 6.45 p. m.; filling lighted coal-oil lamp.
Sunday 2	61	.....	9.02	718 Light st.	Eugene Gloria.	Fruit store and dwelling	.....	6	Two and a-half story brick.	Loss, $———. Recall 9.11 p. m.; explosion of gasoline stove.
Monday 3	Silent.	7.55	.....	1027 Carlton st.	Mrs. Louise Harris.	Dwelling.	13	.....	Two-story brick.	Loss, $———. Children playing with matches.
Monday 3	423	9.18	.....	662 W. Baltimore st	Geo. A. Kroeger	Store and dwelling.	1	2	Three-story brick.	Loss, $———. Recall 9.45 a. m.; defective flue.
Monday 3	274	.....	3.13	2221 E. Chase st.	Annie Deishow.	Dwelling.	9	5	Two-story brick.	Loss, $———. Recall 3.36 p. m.; upsetting coal-oil lamp.
Monday 3	347	.....	7.25	1007 N. Calvert st.	Mrs. O. E. Ridgely.	Dwelling.	....	.....	Four-story brick.	Loss, $———. Recall 7.30 p. m.; unknown.
Tuesd'y 4	416	1.23	.....	22 S. Greene st.	Meyer Shomes.	Grocery store and dwelling.	15	2	Three-story brick.	Loss, $———. Recall 1.48 a. m.; unknown.
Tuesd'y 4	621	.....	4.25	1101 Riverside ave	Hannah Smith.	Dwelling.	12	6	Three-story brick.	Loss, $———. Recall 5.05 p. m.; defective flue.

Tuesd'y 4	413	.....	8.32	136 W. Fayette st.	H. W. Bonhage & Son.	Tailor store and dwelling	.....	2	Three-story brick.	Loss, $———. Recall 8.48 p. m.; unknown.
Tuesd'y 4	Silent.	.....	10.40	9 S. Exeter st.	Nathan Weiman	Dwelling.	3	.....	Two-story brick.	Loss,$———. Burning chimney.
Tuesd'y 4	298	.....	11.51	Old York road, opp. Dumbarton ave.	Fred'k H. Menger.	Dwelling.	4 Chem. Co.	.....	Two-story and attic frame.	Loss, $———. Recall 12.08 a. m.; curtain ignited by lighted candle.
Wedn'y 5	Silent.	9.40	.....	1521 Kensett st.	Mrs. Annie Tucker.	Dwelling.	2 Chem. Co.	.....	Two-story brick.	Loss, $———. Overflowing of a gasoline stove.
Wedny' 5	494	.....	6.52	S. E. cor. Slingluff and Walbrook aves.	Henry Schilduacther.	Dwelling.	....	.....	Three-story brick.	Loss, $——— Recall 7.05 p. m.; explosion of a coal-oil lamp.
Wedn'y 5	235	.....	8.55	2221 E. Madison st	Christian Schneider.	Dwelling.	5, 9	3	Two-story brick.	Loss, $———. Recall 9.42 p. m.; unknown.
Thurs'y 6	168	2.00	.....	606 S. Washington st.	William Lind.	Dwelling.	5, 11	3	Two-story and attic brick.	Loss, $———. Recall 2.46 a. m.; sparks from stove.
Thurs'y 6	336	3.20	.....	224 W. Franklin st	Mrs. Emma Conway.	Dwelling.	1, 7	2	Three-story brick.	Loss, $———. Recall 3.58 a. m.; unknown.
Thurs'y 6	Silent.	7.50	.....	1105 Nanticoke st.	A. Lehman.	Dwelling.	10	.....	Two-story brick.	Loss,$———. Spontaneous combustion.
Thurs'y 6	458	.....	6.51	1417 Brunt st.	Charles M. Huskins.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 7.08 p. m.; upsetting coal-oil stove.

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Thurs'y 6	324	.....	8.48	529 Oxford st.	Jacob Jones.	Dwelling.	.....	4	Three-story brick.	Loss, $———. Recall 9.15 p. m.; carelessness with matches.
Thurs'y 6	231	.....	9.07	1612 E. Walker st.	William Huber.	Dwelling.	9	3	Two-story brick.	Loss, $———. Recall 9.23 p. m.; children playing with matches.
Friday 7	181	.....	4.12	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.23 p. m.; false alarm.
Sat'r'y 8	422	3.02	.....	212 W. Baltimore st	Jacob Epstein.	Department store.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 17, 18, W. T.	1, 2, 4, 6, 10	Five-story brick.	Loss, $———. Recall 5.42 p. m.; unknown.
	2d			210 W. Baltimore st	Grotjan & Lobe.	Auction house			Five-story brick.	
	206 W. Baltimore st	John A. Horner & Co.	Notion house.			Four-story brick.				
	alarm.	3.10	.....	208 W. Baltimore st	J. Schoeneman.	Pants manufactory.			Four-story brick.	
Satur'y 8	168	8.43	.....	1825 Aliceanna st.	Kate Sandleck.	Dwelling.	16	3	Two-story and attic brick.	Loss, $———. Recall 8.51 a. m.; unknown.
Satur'y 8	Silent.	.....	9.35	212 W. Baltimore st	Jacob Epstein.	Department store.	15	.....	Five-story brick.	Loss, $———. Rekindling of previous fire.
Satur'y 8	153	.....	10.07	516 S. Caroline st.	Emma Thomas.	Dwelling.	.....	3	Two-story and attic brick.	Loss, $———. Recall 10.16 p. m.; flames from lamp.

Sunday	9	153	12.34	.....	1522 Canton ave.	Ida Jacobson.	Dwelling.	.....	3	Two-story and attic frame.	Loss, $———. Recall 12.48 a. m.; upsetting coal-oil lamp.
Sunday	9	Silent.	6.48	.....	45 S. Fulton ave.	C. H. Richter.	Porch.	14	.....	.....	Loss,$———. Overheated oil stove.
Sunday	9	Silent.	.....	2.51	Cor. Beach ave. & Liberty rd.	Appold Estate.	Lot.	3 Chem.	.....	.....	Loss, $———. Unknown.
Sunday	9	Silent.	.....	3.25	402 Clay st.	Louis Keyakas.	Candy factory & dwelling.	.....	.....	Three-story brick.	Loss, $———. Smoke issuing from window.
Sunday	9	394	.....	7.43	334 Beech ave.	Mrs. Elmira Shimmer.	Dwelling.	7 Chem.	.....	Two-story frame.	Loss, $———. Recall 8.18 p. m.; burning chimney.
Sund'y	9	233	.....	8.42	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.54 p. m.; false alarm.
Mond'y	10	295	12.11	.....	2110 St. Paul st.	George Davidson.	Dwelling.	.....	11	Three-story brick.	Loss, $———. Recall 12.39 a. m.; burning chimney.
Mond'y	10	Silent.	8.37	.....	135 S. High st.	Annie Bordofsky.	Dwelling.	3	.....	Two-story and attic brick.	Loss, $———. Heat from stove.
Mond'y	10	163	.....	10.33	N. E. cor. Wolfe and Lombard sts	St. Michael's R. C. Church.	Green house.	5, 9	3	One-story frame.	Loss, $———. Recall 11.20 p. m; heat from furnace.
Mond'y	10	Silent.	.....	7.26	143 E. Randall st.	Daniel Duvall.	Dwelling.	1, 2	.....	Two-story frame.	Loss, $———. Explosion of a coal-oil lamp.
Tuesd'y	11	147	2.49	.....	705 S. Dallas st.	Joseph Kowaleiski & others	Tenement.	3, 5	3	Two-story and attic brick.	Loss, $———. Recall 4.00 a. m.; spark from stove.
Tuesd'y	11	733	3.31	.....	1002 N. Chester st.	Isaac Curry.	Dwelling.	.....	5	Two-story brick.	Loss, $———. Recall 3.45 a. m.; upsetting coal-oil lamp.

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Tuesd'y 11	348	.....	6.24	1515 Latrobe st.	Unoccupied.	Dwelling.	.....	11	Two-story brick.	Loss, $———. Recall 6.44 p. m.; unknown.
Wedn'y 12	473	.....	2.22	522 N. Stricker st.	John Smuck.	Dwelling.	8	10	Three-story brick	Loss, $———. Recall 2.50 p. m.; upsetting coal-oil stove.
Thurs'y 13	6	1.22	.....	202 E. Lombard st	The Staley Mfg. Co.	Starch warehouse.	2, 4, 15	1, 2	Four-story brick.	Loss, $———. Recall 2.31 a. m.; overheated stove-pipe.
Thurs'y 13	Silent.	.....	1.02	528 S. Scott st.	Moxse Floey.	Grocery store and dwelling.	10	.....	Three-story brick.	Loss, $———. Overheated coal-oil stove.
Thurs'y 13	Special	.....	7.00	68 Belair ave.	Zachariah Foote	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $———. Sparks from chimney.
Friday 14	232	8.30	.....	21 N. Caroline st.	Jacob Eitzkowsky.	Tailor store & dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 8.47 a. m.; clothing ignited by gasoline stove.
Friday 14	Silent.	9.50	.....	1636 Clarkson st.	Albert Troffer.	Dwelling.	.....	6	Two-story brick.	Loss, $———. Overheated stove-pipe.
Friday 14	Silent.	11.57	.....	407 N. Gay st.	Julius Hines.	Furniture & carpet store.	6	.....	Three-story brick.	Loss, $———. Unknown.
Friday 14	Silent.	.....	1.10	105 Rogers ave.	City of Balto.	Primary school.	.....	.....	Two-story brick.	Loss, $———. Overheated stove.

Friday 14	445	.....	5.14	306 N. Poppleton st.	B. McMahon.	Grocery store	8	.....	Three-story brick.	Loss, $———. Recall 5.26 p. m.; children playing with matches.
Friday 14	61	.....	9.36	512 Light st.	T. Blustein & Co	Storage warehouse.	2, 4, 12, 15	2, 6	Three-story brick.	Loss, $———. Recall 11.32 p. m.; unknown.
Satur'y 15	Silent.	1.45	.....	Howard st., near Franklin st.	Jas. L. Kernan.	Howard Auditorium Thea.	7	.....	Two-story brick.	Loss, $ ——. Unknown.
Satur'y 15	418	10.33	.....	222 N. Howard st.	Wesley J. Hanna & Co.	Wallpaper warehouse.	1	2	Four-story brick.	Loss, $———. Recall 11.16 a. m.; explosion of a coal-oil heater.
Satur'y 15	Silent.	11.02	.....	622 Mosher st.	John T. Hill.	Dwelling.	.....	.....	Three-story brick.	Loss, $ ——. Overheated stove.
Satur'y 15	Silent.	10.35	.....	335 N. Gay st.	Wm. H. Bendler	Music store and dwelling	6	.....	Three-story brick	Loss, $ ——. Overheated stove-pipe.
Satur'y 15	Special	11.20	.....	1519 Canton ave.	Mary Tegler.	Dwelling.	.....	.....	Three-story brick.	Loss, $ ——. Burning chimney.
Satur'y 15	438	.....	2.50	847 Lemon st.	Mrs. Gaffney.	Dwelling.	.....	2	Three-story brick.	Loss, $———. Recall 3.07 p. m.; hot ashes.
Satur'y 15	Silent.	.....	9.00	549 Preston st.	Nathan Tienan	Dwelling.	.....	4	Two-story brick and stone.	Loss, $———. Unknown.
Sunday 16	612	12.26	.....	902 William st.	Wm. Marchback	Dwelling.	12	6	Three-story brick.	Loss, $———. Recall 11.48 a. m.; explosion of a coal-oil stove.
Sunday 16	56	10.50	.....	914 Peach alley.	Jennie Ballard.	Dwelling.	.....	6	Two-story brick.	Loss, $———. Recall 12.51 a. m.; defective flue.
Sunday 16	321	11.13	.....	524 W. Franklin st.	Chas. Strindler.	Barber shop and dwelling	1	4	Three-story brick.	Loss, $——. Recall 11.39 a. m.; overheated stovepipe.

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Sunday 16	531	.....	8.22	715 Ramsay st.	Joseph Rivers.	Dwelling.	10	.....	Three-story brick.	Loss, $———. Recall 3.34 p. m.; unknown.
Sunday 16	Silent.	.....	7.23	500 Hanover st.	Isaac Richmond	Dwelling.	2	.....	Three-story brick.	Loss, $———. Burning of a pan of grease.
Sunday 16	327	.....	10.14	1406 Eutaw place.	Dr. Howard A. K. Kelly.	Library.	7, 8, 13	4	Three-story brick.	Loss, $———. Recall 11.53 p. m.; overheated heater-pipe.
Mond'y 17	422	6.39	.....	306 W. Baltimore st.	Joseph Leopold.	Dealers in chinaware.	15	.....	Five-story brick.	Loss, $———. Recall 6.53 a. m.; unknown.
Mond'y 17	Silent.	.....	2.15	414 W. Lexington st.	Fred. Spenner.	Saloon and dwelling.	1	.....	Two and a-half story brick.	Loss, $———. Unknown.
Mond'y 17	318	.....	3.53	9 Barnett st.	Sewell Brown.	Saloon.	4	2	Two and a-half story brick.	Loss, $———. Recall 4.24 p. m.; carelessness with matches.
Mond'y 17	144	.....	6.14	N. E. Cor. Fawn & President sts.	Reliable furniture Co.	Furniture factory.	3	1	Four-story brick.	Loss, $———. Recall 6.33 p. m.; heat from furnace
Mond'y 17	216	.....	6.58	1124 Low st.	Max Slotowskey and others.	Grocery store dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 7.10 p. m.; curtain ignited by lighted candle.

Tuesd'y 18	232	12.20	.....	31–33 N. Bond st.	Baltimore University.	Hospital.	3, 5, 9	1, 3	Three-story brick.	Loss, $———. Recall 1.28 a. m.; heat from furnace
Tue'y 18	413	3.31	.....	3 N. Liberty st.	Martin Mullin.	Hotel.	1, 2, 4 7, 15	1, 2, 4	Seven-story brick.	Loss, $———. Recall 7.47 a. m.; unknown.
	2d Alarm.	3.40								
Tues'y 18	256	8.37	.....	2215 E. Fayette st.	Anthony Brown.	Dwelling.	5, 11	3	Three-story brick.	Loss, $———. Recall 8.56 a. m.; overheated coal-oil stove.
Tues'y 18	Silent.	11.40	.....	2009 Eutaw Place.	Leonard Benkenstein.	Dwelling.	2 Chem.	.....	Three-story brick.	Loss, $———; children playing with matches.
Tues'y 18	153	.....	2.47	1440 Eastern ave.	Josephine Patrona and others.	Grocery store and tenement.	3, 5, 9, 11	3	Three-story brick.	Loss, $———. Recall 4.12 p. m.; sparks from stove.
Wedn'y 19	317	.....	1.12	112 Centre st.	Bernhard Fell.	Grocery store and dwelling.	4	4	Three-story brick.	Loss, $———. Recall 1.26 p. m.; children playing with matches.
Wedn'y 19	261	.....	5.23	1028 N. Central av.	John Parr.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 5.39 p. m.; house filled with smoke.
Wedn'y 19	421	.....	5.46	736 Waesche st.	Wm. H. Chester.	Dwelling.	8, 13	2	Three-story brick.	Loss, $———. Recall 6.25 p. m.; unknown.
Wedn'y 19	Silent.	.....	6.55	N. E. Cor. Monroe & Lexington sts.	Garrett estate.	Garrett Park.	14	.....	.....	Loss, $———; set on fire by boys.
Wedn'y 19	Silent.	.....	7.12	405 S. Collington avenue.	Albert Lorenzo.	Dwelling.	11	.....	Two-story brick.	Loss, $———. Unknown.
Wed. 19	561	.....	7.39	Ostend and Leadenhall streets.	Henry Seim & Co.	Glass storage house.	2, 10, 12, 15, 17	2, 6	One-story frame.	Loss, $———. Recall 1.11 a. m., December 20th; unknown.
	2d Alarm.	.....	7.41							

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Wedn'y 19	492	.....	11.42	2503 W. Lexington	George Stump.	Smoke-house.	14	8, 10	One-story brick.	Loss, $———. Recall 12.47 a. m., December 20th; overheated smoke house.
Thurs'y 20	331	12.36	.....	21 W. Saratoga st.	Dr. Holmes Boyd	Doctor's office and dwell'g	1, 4	2	Three-story brick.	Loss, $———. Recall 1 28 a. m.; unknown.
Thurs'y 20	537	9.01	.....	513 Little Greenest	Isaac Sprigg.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 9.14 a. m.; smoke from furnace.
Thurs'y 20	372	10.37	.....	1212 Whatcoat st.	Mary Clarence.	Dwelling.	.....	10	Two story brick.	Loss, $———. Recall 10.59 a. m.; defective flue.
Thurs'y 20	241	.....	6.40	424 N. Front st.	Unoccupied.	Dwelling.	4, 6	1	Two-story and attic brick.	Loss, $———. Recall 6.55 p. m.; unknown.
Thurs'y 20	438	.....	8.19	111 Scott st.	Albert Neuman.	Dwelling.	15	2	Three-story brick.	Loss, $———. Recall 8.34 p. m.; unknown.
Friday 21	396	7.30	.....	20 Druid av.	Frank G. Richards.	Dwelling.	21	9	Two-story brick.	Loss, $———. Recall 7.46 a. m.; unknown.
Friday 21	Silent.	9.51	.....	2109 Oak st.	Richard Schaffer.	Dwelling.	18	11	Three-story stone	Loss, $———. Unknown.

Satur'y 22	163	8.53	.....	121 N. Chapel st.	Joseph Rapilain and others.	Tenement.	.....	3	Three-story brick.	Loss, $———. Recall 9.06 a. m.; heat from stove.
Satur'y 22	Silent.	.....	3.21	1323 Upton st.	Louis Blackwell	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Children playing with matches.
Satur'y 22	Silent.	.....	7.25	Foot of Clement st.	R. S. Carswell.	Shed.	17	.....	One-story frame.	Loss, $———. Unknown.
Satur'y 23	234	.....	8.17	1028 Orleans st.	Jacob Holthous.	Dwelling.	.....	3	Three-story brick.	Loss, $———. Recall 8.29 p. m.; upsetting coal oil lamp.
Sunday 22	147	7.20	.....	S. E. cor. Alice-anna and Exeter sts.	N. M. James & Co.	Lumber yard.	3, 11	3	....	Loss, $———. Recall 8.10 a. m.; unknown.
Sunday 23	Silent.	8.17	.....	543 N. Gay st.	Moritz Schwartzberg.	Millinery store and dwelling.	6	.....	Three-story brick.	Loss, $———. Defective electric wire.
Sunday 23	Silent.	8.55	.....	607 Forrest st.	Henry Glanz.	Bakery and dwelling.	6	.....	Three-story and attic brick.	Loss, $———. Upsetting coal oil heater.
Sunday 23	415	.....	8.24	3 N. Eutaw st.	E. H. Goldsmith.	Hotel & cigar store.	15	2	Four-story brick.	Loss, $———. Recall 8.45 p. m.; electric wire.
				9 Eutaw st.	John Kelly.	Hotel & restaurant.	.....	.....	Four-story brick.	
Sunday 23	322	.....	8.30	813 N. Eutaw st.	Dr. W. A. Finny.	Office.	.....	4	One-story brick.	Loss, $———. Recall 8.50 p. m.; electric wire.
Mond'y 24	321	8.17	.....	509 Pennsylvania av.	C. Guglinzza.	Oyster saloon & dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 8.29 a. m.; explosion of a gasoline stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Mond'y 24	6	.....	12 24	202 E. Lombard st.	Staley Mfg. Co.	Printing establishment.	4	1	Four-story brick.	Loss, $———. Recall 12.34 p. m.; escaping gas.
Mond'y 24	485	.....	2.07	932 Frederick av.	J. O. Durham.	Plumbing shop.	.....	8	Two-story frame.	Loss, $———. Recall 2.32 p. m.; unknown.
Mond'y 24	Special	.....	6.30	1603 Shakespeare st.	Jacob Lisicki.	Dwelling.	.....	.....	Two-story and attick brick.	Loss, $———. Unknown.
Tuesd'y 25	Silent.	8.52	.....	1425 Argyle av.	John H. Furst.	Dwelling.	13	.....	Three-story.	Loss, $———. Unknown.
Tuesd'y 25	454	.....	4.04	716 N. Fremont av.	Mrs. Emma Ealy.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 4.20 p. m.; portiers ignited by gas jet.
Tuesd'y 25	534	.....	6.03	608 W. Conway st.	Maggie Ottessiter.	Dwelling.	2	.....	Three-story brick.	Loss, $———. Recall 6.21 p. m.; Christmas tree ignited by coal-oil lamp.
Tuesd'y 25	32	.....	8.12	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.16 p. m.; false alarm.
Wedn'y 26	517	10.21	.....	S. E. cor. Bayard and Russell sts.	Swindell Bros.	Glass factory.	2	6	One-story frame.	Loss, $———. Recall 11.24 a. m.; furnace pot bursting.

Wedn'y 26	62	10.32	.....	118 Weber st.	A. Rezack.	Dwelling.	.....	.....	Two-story brick.	Loss,$———. Recall 10.44 a. m.; sparks from stove.
Wedn'y 26	296	11.00	.....	27 W. Twenty-seventh st.	Thomas Davis.	Dwelling.	18 4 Chem. Co.	7, 11	Three-story brick.	Loss, $———. Recall 12.06 p. m.; unknown.
Wedn'y 26	246	.....	4.27	904 N. Central ave	John Leonard & others.	Dwelling.	6, 9	5	Two-story and attic brick.	Loss, $———. Recall 5.11 p. m.; unknown.
Wedn'y 26	Silent.	.....	9.07	27 W. Twenty-seventh st.	Thomas Davis.	Dwelling.	.....	11	Three-story brick.	Loss, $———. Unknown.
Wedn'y 26	223	.....	9.09	363 N. Calvert st.	Henry Rouch.	Bakery and dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 9.19 p. m.; unknown.
Thurs'y 27	Silent.	.....	9.55	Kennedy lane, nr Gutman ave.	Frederick Walpert Co.	Lane (tree).	4 Chem. Co.	7	.....	Loss, $———. Boys setting fire to same
Thurs'y 27	394	.....	11.05	917 Third ave.	Dr. Frederick Todd.	Dwelling.	.....	.....	Two-story frame.	Loss, $———. Recall 11.19 p. m.; starting fire in furnace.
Friday 28	146	10.59	.....	222 Slemmers al.	Annie Kelly.	Dwelling.	3	1	Two-story and attic brick.	Loss, $———. Recall 11.19 a. m.; carelessness with lighted match.
Friday 28	324	.....	6.27	940 Druid Hill ave	Harry Coates.	Saloon and dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 6.36 p. m.; curtain ignited by lighted gas jet.
Friday 28	512	.....	7.56	20 S. Charles st.	Wm. E. Arnold & Co.	Manufacturers of trunks, etc.	4, 15	2	Four-story brick.	Loss, $———. Recall 8.42 p. m.; unknown.
Satur'y 29	157	2.21	.....	612 S. Bond st.	Mike Wisniewaski.	Tenement.	3, 5, 11	3	Two-story and attic brick.	Loss, $———. Recall 2.51 a. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER, 31, 1900.

DATE.	BOX.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SER'CE.	STYLE OF BUILDING.	REMARKS.
Satur'y 29	347	7.09	.....	100 Huntingdon ave.	Dr. George H. Everhardt.	Stable.	.....	.....	Two-story frame.	Loss, $——. Recall 7.16 a. m.; unknown.
Satur'y 29	229	11.12	.....	2001 E. Fayette st.	Hilbert Sauber.	Saloon and dwelling.	5, 9, 11	3	Three-story brick.	Loss, $———. Recall 11.59 a. m.; unknown.
				141 S. Washington st.	Martin Milder.	Dwelling.	.....	.....	Three-story brick.	.....
Satur'y 29	176	11.59	.....	212 N. Bradford st.	Wm. Simms.	Dwelling.	.....	.....	Two-story brick.	Loss, $———. Recall 12.11 p. m.; unknown.
Satur'y 29	163	.....	12.15	2101 E. Baltimore st.	Joseph N. Shaw	Dwelling.	.....	3	Four-story brick.	Loss, $———. Recall 1.06 p. m.; unknown.
Satur'y 29	Silent.	.....	2.15	1522 Retreat st.	Charles Covill.	Shed.	2 Chem.	.....	One-story frame.	Loss, $——. Flames of a gasoline stove
Satur'y 29	284	.....	2.43	112 Montebello ave.	Margaret Robertson.	Dwelling.	5 Chem.	7	Three-story frame	Loss, $———. Recall 3.55 p. m.; burning chimney.
Satur'y 29	54	.....	5.56	800 S. Sharp st.	Thomas Jones.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 6.07 p. m.; explosion of a coal-oil heater.
Satur'y 29	39	.....	6.40	618 Cumberland st	George W Black	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 6.53 p. m.; unknown.

Sunday 30	332	11.52	.....	908 Madison ave.	R. J. Tumblison and others.	Paper store & clubhouse.	1, 7, 13	4	Three-story brick.	Loss, $———. Recall 12.40 p. m.; defective fireplace.
Sunday 30	532	.....	12.40	647 W. Barre st.	Louis Rasum.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 12.46 p. m.; smoke issuing from dwelling.
Sunday 30	Call 9-1 361	.....	2.13	658 W. Saratoga st.	Harris Ford.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Defective flue.
Sunday 30	165	.....	5.52	1709 Fairmount ave.	Louis H. Sherer.	Dwelling.	.....	.....	Three-story brick	Loss, $———. Recall 6.04 p. m.; heat from coal-oil heater.
Sunday 30	215	.....	8.19	318 Forrest st.	Sadie Griffin.	Dwelling.	.....	1	Two-story and attic brick.	Loss, $———. Recall 8.35 p. m.; overheated stovepipe.
Mon'd'y 31	143	.....	7.11	131 S. Spring st.	Israel Lipritz.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 7.20 p. m.; unknown.

ANNUAL REPORT

—OF THE—

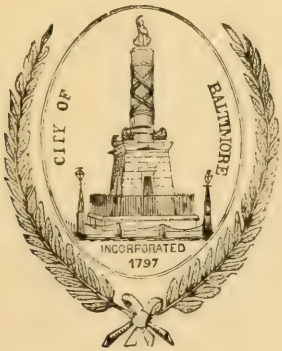
Visitors to the City Jail

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ended December 31, 1900



BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

OFFICERS

—OF THE—

BALTIMORE CITY JAIL.

1900.

BOARD OF VISITORS:

R. B. TIPPETT.
GEO. W. MOWEN.
DR. THOS. OPIE.
DIEDRICH HOLLJES.
THOS. F. MCNULTY.
JAS. L. KERNAN.
DANIEL B. CHAMBERS.
WILLIAM FAIT.
CHAS. J. TRACY.

PRESIDENT OF THE BOARD.
R. B. TIPPETT,

SECRETARY TO THE BOARD.
THOMAS F. MCNULTY.

Warden:
JAMES T. DOYLE.

Physician:
GEORGE L. WILKINS.

Clerk:
HARRY C. MARTIN.

STANDING COMMITTEES.

Finance:
DR. THOS. OPIE, *Chairman.*
GEO. W. MOWEN, JAS. L. KERNAN.

Supplies:
R. B. TIPPETT, *Chairman.*
DANIEL B. CHAMBERS. GEO. W. MOWEN.

Repairs:
THOS. F. MCNULTY.
DIEDRICH HOLLJES. WILLIAM FAIT.

Discipline:
JAS. L. KERNAN, *Chairman.*
DANIEL B. CHAMBERS. CHAS. J. TRACY.

Sanitation:
DIEDRICH HOLLJES, *Chairman.*
DR. THOS OPIE. THOS. F. MCNULTY.

Committee on Annex:
GEO. W. MOWEN, *Chairman.*
WILLIAM FAIT. CHAS. J. TRACY.

SPECIAL COMMITTEES.

St Mary's Industrial School and House of Refuge:
DR. THOMAS OPIE, GEORGE W. MOWEN, THOMAS F. MCNULTY.

House of Reformation at Cheltenham and House of Good Shepherd for Colored Girls:
DANIEL B. CHAMBERS, CHARLES J. TRACY, RICHARD B. TIPPETT.

Female House of Refuge and Industrial Home for Colored Girls:
JAMES L. KERNAN, DIEDRICH HOLLJES, WILLIAM FAIT.

REPORT.

BALTIMORE, January 1st, 1901.

To the Honorable the Mayor and City Council:

GENTLEMEN:—We submit herewith our first annual report of the operations and conduct of the City Jail. The duties of the Jail Board differ from those of former Boards, because of additional responsibilities placed upon it. In former years the work of the Visitors to the Jail was confined strictly to the Jail; by the provisions of the New Charter the Visitors to the Jail now look after the affairs, not only of the Jail, but of the six Reformatories, with which the city has contracts, in so far as the care of these inmates of such institutions, committed by and at the expense of the city, is concerned. The six Reformatories are the House of Refuge, St. Mary's Industrial School, Colored House of Reformation at Cheltenham, Female House of Refuge, Industrial Home for Colored Girls, and the House of Good Shepherd for Colored Girls. Visitations to these institutions are made at frequent intervals by standing committees of the Visitors to the Jail appointed for that purpose. These committees are as follows:

St. Mary's Industrial School and House of Refuge—Dr. Thomas Opie, George W. Mowen and Thomas F. McNulty.

House of Reformation at Cheltenham, and House of Good Shepherd for Colored Girls—Daniel B. Chambers, Charles J. Tracy and Richard B. Tippett.

Female House of Refuge and Industrial Home for Colored Girls—James L. Kernan, Diedrich Holljes and William Fait.

The duty of making contracts with the Reformatories devolves upon the Visitors to the Jail. This was decided by the Mayor and City Solicitor after a discussion of the subject at a meeting of the Board of Charities and Corrections last Spring. Our labors in connection with these Reformatories, whilst somewhat arduous, are nevertheless pleasant and compensated by the knowledge that we are able to assist in preparing the young of both sexes who are inclined to waywardness for a better future and the making of good and useful men and women.

We assumed charge of the City Jail last March, and we feel gratified to be in position to report many needed improvements affecting every branch of the work of the institution during our incumbency. Specific mention of some of these improvements are mentioned in the annual report of the Warden which is appended hereunto. We would direct special attention to the so-called "Juvenile Question," which is intelligently treated in the Warden's report, the solution of which seems to be as pointed out by him as the most practical and beneficent.

It is a matter of gratification to be able to say that every department in the Jail has been improved; the cleanliness of the place, both inside and outside, is most marked in comparison with former times; the food has been greatly improved in variety; the physical condition of the institution has undergone decided changes for the better, likewise the sanitation. And in making these improvements the spirit of economy has been practiced without parsimony. A reduction of expenses does not necessarily mean economy; economy might be practiced at the expense of some one or several departments or features of an institution or corporation, the deterioration of which would necessarily and inevitably follow, and would in the end prove to be extravagance. But where all departments

of an institution are improved at less expense than obtained under previous conditions, the claim of an economical administration, with all of its healthfulness, is certainly justifiable. This is what has been accomplished at the Jail for the taxpayers of Baltimore. For detailed information as to the operations for the past year we respectfully refer you to the annual report of the Warden.

One of our first duties after assuming charge of the Jail was the selection of a Warden. We sought the services of a man whom we believed most capable for the many and trying duties attached to the position because of his high intelligence, broad experience acquired as a newspaper editor and business man, and moral worth, Mr. James T. Doyle. That we made no mistake in his selection is best evidenced by the splendid work he has performed, the results of which are shown in present condition of the Jail, and we feel safe in saying that his superior would be hard to find.

In the selection of a clerk in the person of Mr. Harry C. Martin, and of Dr. George L. Wilkins for the position of physician to the Jail, we feel that we have been most fortunate. Both of these gentlemen have brought to their positions the highest excellence and wide experience. The book-keeping and system of records instituted at the Jail are most complete in detail and accuracy. We now have what was flagrantly lacking, a thorough system of book-keeping by which we are enabled to know at a moment's notice the exact condition of our accounts and appropriations, and can trace the expenditure of every cent. Not only does Mr. Martin look after the accounts of the Jail, but he performs all of the book-keeping incident to the contracts existing between the city and the several reformatories already named. This entails a large amount of additional labor, which no predecessor of Mr. Martin performed. The work is laborious, but Mr. Martin gives to it the same painstaking and conscientious fidelity that stand out as prominent features of his character.

In Dr. Wilkins the Jail enjoys the services of one who stands in a position of eminence in his profession, and he devotes his time loyally day and night to the care of the health of the institution and the well-being of its inmates.

Repectfully submitted,

R. B. Tippett, *President.*
Thos. F. McNulty, *Secretary.*
Geo. W. Mowen.
Jas. L. Kernan.
Dr. Thos. Opie.
Daniel B. Chambers.
Diedrich Holljes.
William Fait.
Chas. J. Tracy.

REPORT OF THE WARDEN.

BALTIMORE, January 1, 1901.

To the Honorable the Board of Visitors to the Baltimore City Jail:

GENTLEMEN:—With the first meeting of the Visitors to the Jail, in each year, it is required that the Warden make a written report of the operations of the Jail during the preceding year, and I now take pleasure in submitting this, my first annual report.

It is a matter of some gratification that we find ourselves able to begin the New Year, 1901, with a clean sheet in the matter of finances, barring the single exception of salary account, and in this too, we could have been on the same footing, were it not for the fact that the City Charter prevents the payment of salaries from any other fund. The residue from our general expense account for the year 1900 was in a condition so healthy that we could have paid from it the salaries for December, and yet have a handsome surplus over all expenses of every description.

It has been the custom in the past to have the fiscal year end on the 30th of November inclusive, leaving salaries and expenses for the month of December to be paid out of the appropriation for the ensuing calendar year. This seems to me anomalous. I cannot understand why the expenses of a given calendar year cannot be paid out of the appropriation for that year, and the fact that we have succeeded in paying all of the expenses incurred in 1900, salaries excepted, out of the appropriation for 1900, is, it seems to me, sufficient proof of its feasibility, and we hope this year to get an extra month's salary out of the Mayor's contingent fund in order that the salaries for 1901 shall be paid out of this year's appropriation.

Exclusive of salaries we have paid out of the appropriation for 1900 all expenses of every description for thirteen months, that is to say for December, 1899, and the twelve months of the year just closed, and turned over to the Sinking Fund of the city the sum of $7,090.64.

These expenses amounted in the aggregate to $58,464.36; the appropriations amounted to $65,555.00.

A detailed account of expenses and appropriations will be found in exhibit A. There are five additional exhibits, lettered B, C, D, E and F, which furnish complete information concerning the operations of the Institution. Our surplus would have been much larger, but in view of the healthy condition of the sinking fund, we deemed it wise to lay in a large supply of dry goods, blankets, coal, etc., the cost of which has been added to our expenses for December.

Our total expenses, exclusive of salaries for the twelve months ended November 30, amounted to $22,166.12, as against $32,874.78 for the twelve months ended November 30, 1899, a saving of $10,708.66. This would give us an average of $36.28 per year per prisoner, against $50.86 in 1899. The total expenses, exclusive of salaries for the four months of the year prior to our incumbency, amounted to $8,201.62, or at the rate of $3.66 per prisoner per month; the total expenses during the eight months of our incumbency amounted to $13,633.10, or $2.76 per prisoner per month. For subsistence alone we spent in these eight months $7,150.15, or $1.44 per prisoner per month; for the next four months of the year $3,604.12, which is equivalent to $1.64 per prisoner per month. It may properly be stated in this connection that foodstuffs have been higher during the past year than formerly, and that the food is more varied in character and furnished in abundance.

At the beginning of our service we found on the books out standing accounts aggregating $3,085.95. Several of these had been standing from three to five years. By persistent effort nearly all of this money has been collected, and our

receipts from all sources, and turned into the city treasury, amounted to $6,808.23, against $5,860.84 in 1899.

Many improvements have been made during the past year. When we took charge of the Jail last March the physical condition of the building was positively bad. A careful inspection of the Jail property revealed the fact that the ceiling of the chapel, and the dome crowning the centre of the building, were in danger of collapsing, and it is a matter of surprise to the builders and the Building Inspector that an accident, with serious consequences, had not occurred. The dome had a list to the southward of six inches, there was a depression in its supports of three inches, and the woodwork was rotten to the core.

The heavy ceiling over the chapel was completely parted from its bearing on the north side, and had but three-eighths of an inch of bearing on the south side. It had evidently been in this condition for a couple of years, the broken ends in the iron tie-rods which bound the side walls together being heavily incrusted with rust.

Mr. E. D. Preston, the Building Inspector, promptly took the matter in hand, restored everything to a condition of safety and rebuilt the dome in its entirety. Mr. Preston deserves great credit for promptly responding to the many needs of the Jail. Among the repairs made by him at our solicitation, I beg to enumerate briefly as follows: Replacing the soil-pipes on sections 3 and 4, extending from the roof to the floor; replacing the dormer windows on sections 3 and 4, the old ones being in an advanced state of decay, and repairing those of sections 1 and 2; new ventilators in the roof of the hospital, by which we are enabled to open one section, or all of the sections, or any number of them without interfering with the remaining ones; the installation of a sanitary closet in the hospital; new window sashes and repairs to others in the prison kitchen and engine-room; safeguarding the corners, towers and dome of the building with lightning rods; repairing of the roof on all four sections, the roof having had many

holes and breaks through which the rain found its way to the interior of the building; renewal of downspouting.

In addition to these repairs the walls of the building need to be pointed up, and the ventilators in all four sections put into serviceable condition. This, Building Inspector Preston will do out of this year's appropriation.

Without assistance from other sources we practically rebuilt the electric-light lines and improved the power-plant so that the demand upon the dynamos has been brought within its capacity, which is 176 amperes each. A load of not more than 160 amperes is now carried, notwithstanding the fact that we have installed eight additional 32-candle lights. The steam plant has also been improved. The boiler capacity is 90 pounds to the square inch, it had been, however, in the past subjected to as high as 100 pounds. The highest pressure now used is 75 pounds and after 9 P. M. only 60 pounds. This and careful firing has enabled us to save about 50 per cent. in the consumption of coal. We found the laundry in an extremely bad condition. Only one of the three steam washers was fit for use, and even that one was in a very poor condition. We rebuilt all three washers at a total cost of about $25. The price of a new one is about $125. We also built two galvanized-iron wash tubs for $10.50; their cost in the market would be not less than $50.

A new floor of Portland cement was also laid by prison labor. A fine new kitchen plant, consisting of three iron caldrons and a coffee urn, the latter with a capacity of 200 gallons was secured last summer, and a splendid floor of cement was laid in the prison kitchen.

A small brick building was built by prison labor with old brick found about the institution as a receptacle for bones and swill barrels, an old iron stack, 30 feet high, which had been in disuse was placed on the top of this building, and through it passes any noxious odors arising from the contents below.

An enunciator system has been installed without cost to the jail; it reaches every section of the grounds; wooden blinds were erected over tower windows on section two; the old greenhouses which occupied the southern portion of the yard in the rear, and which were falling to pieces were torn down in August and September, and the lot was graded and sown in lawn seed so that we expect a beautiful lawn there next spring. A fountain will be erected in its centre.

A new fumigating plant of boiler iron has been erected without cost, to take the place of the old and dilapidated wooden structure.

These are a few of the many improvements that has been made during the past year. We have also instituted a complete system of book-keeping, this very important feature of the work of the Jail being lacking.

Our religious services, which were unfortunately but necessarily interfered with by repairs to the chapel and dome, were renewed on October 1st. This important work is conducted under the Prisoners' Aid Association, of which Mr. Goldsborough S. Griffith is the philanthropic and venerable though still energetic president, despite the fact that he is an octogenarian. Rev. Mr. Stoudenmire, agent of the association is most painstaking in his attention to the spiritual need of the prisoners, and in this he receives the hearty and self-sacrificing assistance of Messrs. George H. Mason, Robert Haslett, Lewis Cassard, Edward Malalleau, William Atwood, Mrs. James F. Hoge and others.

The Catholic inmates are looked after with constant unremitting care and attention by Rev. Edw. D. Boone, of Loyola College, who is ever ready, day and night, to respond to a call.

The Good Sisters of the Mission Helpers visit the woman's department and give instructions there every Sunday.

The question of how best to deal with boys confined in the Jail has been a mooted one for years. Many suggestions have been advanced as to a proper solution of what has become to

be known as the juvenile question. My own opinion is that the best solution of the problem lies in not having them within the Jail walls. There are, it seems to me, reformatories in and about Baltimore sufficient in their accommodations to properly and better care for boys than the Jail. Firm in this belief I sought the assistance of the law courts, State's Attorney McLane, the grand juries and the police justices, with a view to having boys committed to reformatories or paroled in case of first offense. These bodies and gentlemen responded most favorably, with the result that we have a minimum number of boys in this institution at the present time. The smallest number of the year was on Christmas Day, viz: 2.

To the Visitors to the Jail, each and all of them, are due my thanks for their kindly and undeviating support throughout the year. Their assistance, counsel and direction has been of infinite value and is appreciated to the utmost.

The Warden begs to acknowledge the receipt of school books and slates from the School Board for the use of the boys and men attending the night school, which was established in October, and a large number of books, magazines and periodicals from Miss Adele Kernan and the Enoch Pratt Free Library.

Respectfully submitted,

JAMES T. DOYLE, *Warden.*

EXHIBITS.

EXHIBIT A.

A Summary of the Appropriation Account for the 12 Months Ended November 30, 1900, and for the Month of December, 1900. Also a Summary of the Revenues of the Jail and their Disposition, and a Comparative Statement for the Years 1900, 1899, 1898 and 1897, Showing the Daily and Yearly Per Capita Cost of Maintenance of Prisoners.

Appropriation for 12 Months.

Dr.		Cr.	
Mayor and City Council appropriation for salaries	$31,180 00	Jail salaries	$30,972 51
Mayor and City Council appropriation for expenses		Filing cases, iron pipes, etc.	1,798 21
Filing cases, iron pipes, etc.	1,875 00	Renewal kitchen furniture	900 00
Renewal kitchen furniture	1,500 00	Subsistence of prisoners	11,488 81
Subsistence of prisoners	13,500 00	Fuel and light	3,159 02
Fuel and light	4,500 00	Machinery and supplies	957 03
Machinery and supplies	3,500 00	Clothing, dry goods, etc	1,687 64
Clothing, dry goods, etc	3,500 00	Sanitary	2,047 18
Sanitary	2,500 00	Hospital subsistence	1,500 00
Hospital subsistence	1,500 00	Hospital drugs	728 91
Hospital drugs	1,000 00	Expenses, incidentals	597 53
Expenses, incidentals	1,000 00	Balance at end of fiscal year November 30	9,718 16
	$65,555 00		$65,555 00

EXHIBIT A—Continued.

Appropriation for Month of December.

Nov. 30—Balance	$9,718 16	Dec. 31.—General subsistence	$11,05 39
		" Fuel and light	351 14
		" Machinery and supplies	195 01
		" Clothing and dry goods	460 48
		" Sanitary	36 70
		" Hospital drugs	151 71
		" Expense account	327 09
		" Balance turned over to City Sinking Fund	7,090 64
	$9,718 16		$9,718 16

EXHIBIT A—Continued.

Dr.			*Revenues.*	Cr.	
Amount paid City Comptroller		$6,808 23	Outstanding account January 1, 1900	$3,085 95	
Outstanding accounts		2,968 80	*Earnings during the year:*		
As follows:			C. S. Beebe	4,916 80	
C. S. Beebe	$1,745 80		Harford county board bill	84 10	
C. S. Beebe	750 00		Anne Arundel county board bill	42 50	
United States Marshal	331 50		United States Marshal board bill	1,248 70	
Baltimore county	14 50		Baltimore county board bill	56 00	
Prince George's county	55 00		Cecil county board bill	2 50	
St. Mary's county	4 50		Calvert county board bill	52 50	
Kent county	3 00		Prince George's county board bill	2 00	
Cecil county	3 50		Frederick county board bill	15 50	
Calvert county	45 50		Sales, greenhouses	215 00	
Frederick county	15 50		Junk account, etc	55 48	
	$2,968 80	$9,777 03		$9,777 03	

EXHIBIT A—Concluded.

	1900.		1899.		1898.		1897.	
	Yearly.	Daily.	Yearly.	Daily.	Yearly.	Daily.	Yearly.	Daily.
Salaries of officers (per capita cost maintenance)	$50.691	.1389	$47.212	.1293	$45.562	.1248	$47.210	1293
Subsistence (per capita cost maintenance)	18.803	.0515	19.748	.0541	22.255	.0610	20.480	.0561
Heat and light (per capita cost maintenance)	5.170	.0141	6.449	.0177	5.431	.0149	5.931	.0162
Machinery and repairs (per capita cost maintenance)	1.566	.0043	5.115	.0140	3.917	.0107	3.999	.0110
Clothing, dry goods and shoes (per capita cost maintenance)	2.762	.0076	4.811	.0131	4.100	.0112	3.395	.0091
Sanitary (per capita cost maintenance)	3.350	.0091	3.566	.0098	2.418	.0066	1.949	.0053
Special diet for sick (per capita cost maintenance)	2.455	.0067	2.318	.0064	2.266	.0062	2.440	.0066
Incidental expense (per capita cost maintenance)	.980	.0026	1.463	.0040	1.661	.0045	1.791	.0050
Hospital and drugs (per capita cost maintenance)	1.193	.0033	1.379	.0038	1.159	.0032	1.185	.0032
Special sanitary improvements	.....	.....	.....	.....	3.940	.0108	.....	.....
Totals	$86.970	.2381	$92.061	.2522	$92.709	.2539	$88.380	.2421

EXHIBIT B.

A Comparative Table of the Monthly and Yearly Averages of Prisoners for 1896, 1897, 1898, 1899 and 1900; the Highest and Lowest Number During Each of These Years, and the Per Cent. of the Whole of Each Sex and Color Committed for Trial or to Serve Sentence During the Fiscal Year.

	1900.	1899.	1898.	1897.	1896.
January	639	641	637	577	531
February	546	559	651	528	530
March	520	594	683	584	550
April	532	600	674	539	558
May	558	628	690	514	529
June	595	734	673	550	529
July	575	774	677	569	521
August	644	722	653	662	566
September	751	686	678	656	533
October	641	561	609	575	495
November	654	596	563	575	505
December	630	672	598	595	541
Yearly average	616	647	649	577	536
Highest number in Jail	805	827	738	743	636
Lowest " "	481	522	526	490	451

	White.			Colored.			Grand Total.
	Males.	Females.	Total.	Males.	Females.	Total.	
Peace cases received	27.2	3.3	30.5	22.9	9.6	32.5	63.00
Court " "	17.5	.9	18.4	16.1	2.5	18.6	37.00
	44.7	4.2	48.9	39.	12.10	51.10	100.

EXHIBIT C.

Showing the Number of Prisoners Committed for Various Causes During the Year Ending December 31, 1900.

Class of Charges.	White.		Colored.	
	Males.	Females.	Males.	Females.
Abduction				
Abortion	3	1		
Adultery			1	
Arson	1		1	
Assault, common	258	31	467	182
" felonious				
" Indecent	4		2	
" and cutting	30	2	210	35
" and robbing	26	2	36	4
" and robbing on highway	10	2	15	6
" on officer	16		29	1
" on wife	25		21	
" to kill	20	1	84	2
" to rape	2		3	
" and rape	2		3	
" rob	8	2	10	2
Bastardy	2		3	
Bawdy house	2	5	2	4
Begging	15		7	
Bigamy	2		1	1
Burglary	3		4	
Carnal knowledge	8		13	
Coasting on bicycle	4		2	
Committing nuisance	3		5	
Common thief	8		13	
Concealed weapons	14		107	
Cursing and swearing	352	25	450	198
Defrauding hotel	1			
Destroying property	72	10	55	13
Disorderly house	4	7	10	8
Drunk and disorderly	746	252	591	225
Disturbing public worship			2	
Election laws	20		15	
Embezzlement	30		9	
False fire alarm	11		7	
False pretenses	34		12	
Fast driving	1			
Felonious entering	52		61	
Fighting	8		11	

EXHIBIT C—Continued.

Class of Charges.	White.		Colored.	
	Males.	Females.	Males.	Females.
Firing a pistol	3	.....	11	.....
Forgery	3	.....	.....	.....
Fraudulent trick	6	.....	5	.....
Gaming on Sunday	10	.....	139	.....
Gaming on premises	3	.....	5	.....
Graveyard desecration	1	.....	.....	.....
Habitually disorderly	51	11	18	7
Harboring female minors	.....	5	2	5
Illegitimacy	.....	.....	2	.....
Incorrigible children	10	.....	24	.....
Indecent exposure	10	.....	13	.....
Larceny	384	33	455	143
License law	17	.....	6	2
Liquor law	7	1	2	.....
Lottery law	1	.....	.....	.....
Manslaughter	7	1	5	1
Mayhem	4	1	6	1
Murder	16	2	28	2
Obstructing street passage	42	2	36	12
Park rules	15	4	9	5
Passing bogus check	3	.....	1	.....
Perjury	10	1	11	.....
Pickpocket	22	1	7	4
Rape	5	.....	4	.....
Receiving stolen goods	7	.....	4	.....
Robbing on highway	20	.....	13	4
Selling mortgaged goods	5	.....	2	.....
Sleeping in markets	3	.....	.....	.....
Sodomy	5	.....	3	.....
Threatening bodily harm	4	.....	2	.....
Throwing missiles	5	.....	22	.....
Unlawfully on cars	69	.....	34	2
Unlawful use of vehicles	2	.....	5	.....
Vagrancy	66	11	9	2
Wife desertion	26	.....	9	.....
Witnesses	12	1	7	1
Working on Sunday	4	.....	2	.....
Selling cadavers	2	.....	.....	.....
Violating parole	8	.....	2	1
Contempt of court	2	.....	2	.....
Cruelty to animals	5	.....	8	.....
Miscegenation	.....	.....	1	.....

Exhibit C—Concluded.

Class of Charges.	White.		Colored.	
	Males.	Females.	Males.	Females.
United States prisoners	44	1	10	1
Failing to attend drills	6	.....	.....	.....
Selling goods under weight	2	.....	.....	.....
Interfering with electric wires	5	.....	.....	.....
Running over with electric car	1	.....	.....	.....
Friendly Inn laws	7	.....	2	.....
Violating city ordinance	3	.....	2	.....
Tramps	5	.....	1	.....
Appeal from magistrates	37	5	1	.....
Attempt to defraud	6	.....	2	.....
Selling firearms	.....	.....	1	.....
Health ordinance	3	.....	1	1
Fortune-telling	2	.....	.....	1
Disturbing peace	590	149	502	109
	3,383	569	3,698	985

EXHIBIT D.

Showing the Number of Prisoners Committed and how Discharged for the Year Ending December 31, 1900.

	White.		Colored.		Total.
	Males.	Females.	Males.	Females.	
In Jail January 1, 1900	274	14	315	69	672
Received during 1900	3,383	569	3,698	985	8,635
	3,657	583	4,013	1,054	9,307
County Sheriffs	17	1	5	.....	.....
Criminal Court, bailed	303	21	112	20	.....
" " own recognizance	7	.....	1	.....	.....
" " fines paid	4	2	7	1	.....
" " not guilty	76	10	102	20	.....
" " paroled	75	10	37	11	.....
" " stet	44	3	33	8	.....
" " witnesses	.....	.....	1	1	.....
Death	5	1	3	2	.....
Executed	.....	.....	1	.....	.....
Expiration sentences	1,517	274	2,422	630	.....
Grand Jury	230	65	211	70	.....
Pardon	4	.....	1	.....	.....
Police Justices' fine paid	513	93	303	108	.....
" " for trial	181	37	151	55	.....
United States Marshal	69	.....	8	1	.....
Writs Habeas Corpus	14	5	16	1	.....
Bayview Asylum	11	4	19	8	.....
Home for Colored Girls	.....	.....	.....	2	.....
House of Correction	185	34	110	21	.....
" Reformation	.....	.....	71	.....	.....
" Refuge	4	.....	.....	.....	.....
Penitentiary	112	5	74	13	.....
Springfield Asylum	5	.....	.....	.....	.....
City Hospital	.....	.....	2	.....	.....
Bailed by Justices of the Peace	5	1	2	.....	.....
St. Mary's Industrial School	4	.....	.....	.....	.....
In Jail December 31, 1900	272	17	321	82	.....
	3,657	583	4,013	1,054	.....

EXHIBIT E.

Showing the Occupation of Prisoners Sentenced to Jail during the Year by the Criminal Court, their Offence, Term of Sentence, Nativity, Age, Habits, and Social Relations.

Occupation.	White.		Colored.	
	Males.	Females.	Males.	Females.
Bricklayer	3			
Basketmaker	1			
Butter Dealer				
Bookbinder	1			
Butcher	2			
Book-keeper	1			
Boilermaker	2			
Brakeman	1			
Blacksmith	4			
Barber	2		3	
Baker	4			
Brassfinisher	1			
Brickmaker	1			
Can capper	2			
Caterer	1			
Car builder	2			
Candymaker	1			
Cabinetmaker	1			
Coachman	1			
Cook	2		6	5
Clerk	18			
Cigarmaker	2			
Carriage Builder	1			
Carpenter	3			
Contractor	1			
Domestic		7		27
Driver	1			
Engineer	3			
Fireman	5		1	
Hotel clerk	1			
Horseshoer	1			
Huckster	5			
Harnessmaker	1			
Iron worker	3			
Iron moulder	2			
Janitor	1			
Laborer	72		157	
Laundress				21
Lineman	1			
Looking-glass plater	1			
Mat weaver	1			
Machinist	1			
Nurse	2	1		1

EXHIBIT E—Continued.

Occupation.	White.		Colored.	
	Males.	Females.	Males.	Females.
Overall operator	1			
Physician	1			
Painter	6			
Plumber	3			
Pop bottler	1			
Printer	2			
Paperhanger	1			
Riveter	2			
Shoemaker	5			
Solicitor	1			
Stonecutter	3			
Sailor	7		4	
Salesman	2			
Tailor	2			
Tinner	4			
Trunkmaker	2			
Upholsterer	1			
Varnisher	1			
Wireworker	1			
Waiter	1		6	
Watchmaker	1			
Watchman	2			
	209	8	177	54

EXHIBIT E—Continued.

Offenses.	Whites.		Colored.	
	Males.	Females.	Males.	Females.
Assault, common	35	1	32	9
" to kill	6	.....	13	1
" to rape	1	.....	1	.....
Bastardy	1	.....	.....	.....
Concealed weapons	2	.....	4	.....
Cars unlawfully	4	.....	.....	.....
Carnal knowledge	4	.....	3	.....
Defrauding hotel	2	.....	.....	.....
Disturbing peace	9	1	14	12
Embezzlement	5	.....	1	.....
False pretenses	4	.....	3	.....
False fire-alarm	2	.....	.....	.....
Failure to pay livery bill	1	.....	.....	.....
" to give security to keep peace	1	.....	.....	.....
" " " for illegitimate child	.....	.....	1	.....
Gambling	.....	.....	1	.....
Infanticide	.....	.....	.....	1
Indecent exposure	2	.....	2	.....
Keeping bawdy-house	.....	.....	3	.....
" disorderly house	.....	.....	.....	2
Larceny	98	4	91	29
Manslaughter	5	.....	1	.....
Malicious destruction of property	2	.....	.....	.....
Perjury	1	1	2	.....
Pickpocket	5	.....	.....	.....
Rogue and vagabonds	6	.....	4	.....
Rape	2	.....	.....	.....
Receiving stolen goods	1	.....	.....	.....
Selling dead bodies	1	.....	.....	.....
Sodomy	1	.....	.....	.....
Throwing missiles	.....	.....	1	.....
Tampering with electric wires	1	.....	.....	.....
Violating liquor laws	4	1	.....	.....
Vagrants	2	.....	.....	.....
Violating election laws	1	.....	.....	.....
	209	8	177	54

EXHIBIT E—Continued.

Time.	White.		Colored.	
	Males.	Females.	Males.	Females.
One day	7	.....	4	5
Three days	.....	.....	1	.....
Five days	2	1	4	1
Six days	.....	.....	1	4
Ten days	14	1	18	6
Fifteen days	.....	.....	3	.....
Twenty days	3	.....	2	.....
Thirty days	43	.....	30	7
Thirty-nine days	1	.....	.....	.....
Forty-two days (6 weeks)	.....	.....	1	.....
Sixty days	17	1	8	3
Ninety days	2	.....	.....	.....
Two months	8	.....	6	.....
Three months	28	.....	28	10
Four months	17	.....	16	5
Five months	4	.....	3	2
Six months	27	3	28	5
Seven months	.....	.....	1	.....
Eight months	1	1	2	.....
Nine months	1	.....	3	2
Ten months	3	.....	2	1
Eleven months	1	.....	1	.....
Twelve months	9	.....	10	2
Thirteen months	2	.....	1	.....
Fifteen months	1	.....	1	1
Seventeen months	1	.....	.....	.....
Eighteen months	7	1	2	.....
Two years	1	.....	.....	.....
Two-and-a-half years	2	.....	.....	.....
Three years	3	.....	1	.....
Four years	1	.....	.....	.....
Five years	2	.....	.....	.....
Six years	1	.....	.....	.....
	209	8	177	54

EXHIBIT E—Continued.

Birth Place.	White.		Colored.	
	Males.	Females.	Males.	Females.
Allegany County	2	1	.....	.....
Anne Arundel County	.....	.....	11	4
Baltimore County	6	.....	5	.....
Baltimore City	115	4	74	22
Caroline County	.....	.....	.....	1
Calvert "	.....	.....	3	.....
Carroll "	.....	.....	2	.....
Cecil "	.....	1	2	.....
Charles "	.....	.....	1	.....
Dorchester "	1	.....	1	1
Frederick "	.....	.....	.....	.....
Harford "	1	.....	4	.....
Howard "	.....	.....	1	5
Kent "	2	.....	2	1
Prince George's "	.....	.....	2	1
Queen Anne's "	1	.....	1	.....
St. Mary's "	.....	.....	3	1
Somerset "	.....	.....	1	.....
Talbot "	.....	.....	3	.....
Washington "	1	.....	.....	.....
Connecticut	1	.....	.....	.....
California	1	.....	.....	.....
Delaware	.....	.....	1	4
District of Columbia	2	.....	7	4
Florida	.....	.....	2	.....
Georgia	.....	.....	1	.....
Illinois	1	.....	.....	.....
Maine	2	.....	1	.....
Massachusetts	1	.....	1	.....
Missouri	.....	.....	1	.....
New York	12	.....	.....	.....
New Hampshire	1	.....	.....	.....
North Corolina	.....	.....	4	.....
New Jersey	1	.....	.....	.....
Ohio	2	.....	.....	.....
Pennsylvania	14	.....	6	.....
South Carolina	.....	.....	2	.....
Texas	.....	.....	2	.....
Virginia	4	1	29	9
West Virginia	1	.....	4	1

EXHIBIT E—Continued.

Birth Place.	White.		Colored.	
	Males.	Females.	Males.	Females.
Austria	4			
Bohemia	1			
Canada	1		1	
England	2			
France	1			
Germany	15	1		
Greece	1			
Italy	2			
Ireland	5			
New Foundland	1			
Russia	2			
Venezuela	1			
Scotland	1			
West Indies			1	
	209	8	177	54

EXHIBIT E—Continued.

Ages.	White.		Colored.	
	Males.	Females	Males.	Females.
14 years old	1	.....	11	4
15 "	1	.....	1	1
16 "	1	.....	7	2
17 "	.....	.....	1	.....
18 "	7	.....	10	.....
19 "	10	.....	10	3
20 "	7	.....	5	2
21 "	10	.....	9	12
22 "	8	.....	13	1
23 "	11	.....	12	2
24 "	9	1	7	3
25 "	10	.....	6	4
26 "	5	.....	5	1
27 "	9	.....	9	1
28 "	8	.....	11	3
29 "	10	.....	5	2
30 "	3	.....	4	1
31 "	4	.....	2	.....
32 "	5	.....	8	.....
33 "	9	.....	4	1
34 "	6	.....	.....	.....
35 "	10	1	3	2
36 "	5	.....	1	1
37 "	2	1	.....	1
38 "	7	.....	5	.....
39 "	2	.....	5	2
40 "	5	.....	5	1
41 "	4	.....	1	1
42 "	4	.....	.....	.....
43 "	2	2	2	.....
44 "	4	.....	.....	.....
45 "	3		6	1
46 "	.....	.....	1	.....
47 "	1	1	1	.....
48 "	4	1	.....	.....
49 "	.....	.....	1	.....
50 "	4	1	2	.....
51 "	1	.....	.....	2
52 "	1	.....	1	.....
53 "	2	.....	1	.....
54 "	1	.....	.....	.....
55 "	3	.....	.....	.....
56 "	1	.....	.....	.....
57 "	1	.....	1	.....
58 "	1	.....	.....	.....
60 "	1	.....	.....	.....
61 "	1	.....	.....	.....
64 "	2	.....	.....	.....
65 "	1	.....	.....	.....
74 "	1	.....	.....	.....
85 "	1	.....	.....	.....
Unknown	.....	.....	1	.....
	209	8	177	54

EXHIBIT E—Continued.

Convictions.	White.		Colored.	
	Males.	Females.	Males.	Females.
First conviction	176	4	140	26
Second "	29	3	28	21
Third "	2	1	2	3
Fourth "	1	.....	6	2
Fifth "	1	.....	.....	1
Sixth "	.....	.....	.....	1
Seventh "	.....	.....	1	.....
	209	8	177	54
Social Habits.				
Married	67	7	51	19
Single	122	1	110	29
Widow	.....	.....	.....	6
Widower	20	.....	16	.....
	209	8	177	54
Habitual drinkers	49	3	31	11
Moderate drinkers	125	1	103	26
Total abstainers	38	4	43	17
	209	8	177	54
Read and write	179	6	129	31
Read only	2	2	3	6
Illiterate	28	.....	45	17
	209	8	177	54

EXHIBIT F.

The work accomplished in the Annex has added no little to the general condition of the Institution and a list that speaks for itself is appended.

	Washed.	Made.	Repaired.
Overalls	18,125	400	2,203
Shirts	17,674	448	1,681
Sheets	15,895	690	119
Pillow cases	15,616	573	90
Dresses	3,611	221	290
Towels	6,492	345	.....
Bed Ticks	1,000	82	25
Tick covers	1,003	658	.....
Pillow slips	224	97	.....
Blankets	651	.....	34
Miscellaneous	7,448	163	64

REPORT HOSPITAL DEPARTMENT.

BALTIMORE, MD., December 31, 1900.

To the President and Board of Visitors, Baltimore City Jail:

GENTLEMEN: I have the honor to respectfully submit the following report for the year ending December 31, 1900. A tabulated statement of the work of this department is herewith submitted.

The number of cases treated during the year was 9,716, and the total number of prescriptions was 22,824.

The daily average number of cases was 26.6, and the daily average number of prescriptions was 62.

The death rate for the year was 1.78 per 1,000.

There was also one legal execution.

Whilst a conscientious interest was taken in the welfare of the sick, at the same time we have not been unmindful of the value of preventive measures in the medical management of an institution of this character. To this end, due consideration has been given to the questions of cleanliness, ventilation, diet, temperature and isolation. In carrying out all of these measures, I wish to gratefully acknowledge the assistance and earnest co-operation of the Warden.

Dirt and filth in every form and place has been carefully watched, and cleanliness of the person, cell, bedding, etc., has been rigidly enforced. The entire absence of foul smells in closets, as well as every part of the Jail, will bear evidence of the careful ventilation, and the only limitations on the perfect ventilation of the institution are due to defective construction.

The diet of the prisoners has been liberal and wholesome, and every effort has been made to maintain an equal temperature.

Twice during the year contagious disease was discovered, but by proper isolation they were limited to the original cases.

In the management of pulmonary tuberculosis the most modern ideas have been applied as far as practicable. The sputa of each patient has been carefully collected and burned or otherwise destroyed. With the construction of the prospective new hospital it is to be hoped that it will be possible to effectually isolate all such cases.

Thanking the Board for their cordial support and kindness, and the other officers for their assistance and courtesy,

I am, with great respect,

Yours truly,

GEO. L. WILKINS, M.D.,
Physician.

PHYSICIAN'S REPORT.

Tabulated Statement and Summary for the Year ending December 31, 1900.

Abscess	71
Abrasions	99
Albuminuria	1
Acne	3
Acid stomach	1
Alcoholism	370
Alopoecia	3
Amenorrhea	15
Anemia	20
Aortic regurgitation	11
Aortic stenosis	1
Arterial sclerosis	4
Arthritis	3
Asthma	22
Biliousness	71
Bite (Man)	8
Bright's disease	13
Bronchitis	834
Bubo	22
Burns	24
Cancer, Gastric	1
Cancrum oris	5
Carbuncle	25
Catarrh, Nasal	131
Cephalalgia	234
Chancroids	28
Colic, Intestinal	45
Colic, Gastric	10
Concussion brain	2
Condyloma	1
Conjunctivitis	56
Contusion	109
Constipation	1007
Cornitis	4
Coryza	315
Croup, Catarrhal	2
Cystitis	42
Chapped face and hands	16
Chilblains	2
Deafness	1
Debility, General	36
Diabetes	3
Delirium Tremens	93
Diarrhœa	254
Dropsy	1
Diphtheria	2
Dysentery	28
Dyspepsia	30
Eczema	113
Eczema, Scrotum	38
Endo-Carditis	1
Epilepsy	43
Epistaxis	2
Epididymitis	3
Erysipelas	11
Erythema	3
Excoriation	3
Fistula in Ano	18
Fracture	20
Frostbite	1
Furuncle	25
Gangrene	2
Gastritis	3
Gleet	4
Gonorrhea	244
Gums ulcerated	9
Hæmoptysis	4
Heart, Valvular Disease of	20
Hematuria	1
Hemorrhoids	94
Hernia	8
Herpes	8
Hiccough	6
Hysteria	17
Hydrophobia (Hystero - Epilepsy) Simulated	1
Indigestion	223
Influenza	72
Ingrowing nails	2
Impotency	1
Insanity	24
Intestinal worms	1
Inverted eye lashes	2
Insomnia	83
Intermittent Fever	46
Iritis	15
Irritable bladder	56
Inflamed ovaries	1
Jaundice	22
La Grippe	12
Laryngitis	42
Leucorrhea	8
Locomotor ataxia	1
Lumbago	118
Lymphadenoma	9
Lips fissured	1
Malaria	117
Mastitis	4
Menorrhagia	31
Mitral insufficiency	3
Mitral regurgitation	7
Miscarriage	2

ANNUAL REPORT—Concluded.

Morphia habit	38
Myalgia	627
Myoma uteri	4
Metritis	4
Nevus—Face	1
Nephritis—Acute	7
Neuralgia	226
Neurasthenia	32
Nocturnal emissions	3
Odontalgia	105
Orchitis	10
Otalgia	12
Otitis	15
" Media	14
Ovarialgia	3
Oyster-shell poison	2
Ozena	1
Ovaries—Conjestion	1
Paralysis	3
Pediculus pubis	105
Periostitis (finger)	5
Pharyngitis	291
Pleurisy	1
Phimosis	1
Pleurodynia	5
Pneumonia	3
Pregnancy	37
Profuse menstruation	2
Prolapsis uteri	1
" recti	1
Prurigo	1
Pruritus	1
Pyrosis	23
Rheumatism	637
Rubeola	3
Scabies	35
Scrofula	18
Sore Nose	1
Spermatorrhea	1
Sprain	123
Stomatitis	12
Strangulation (Legal)	1
Stricture—Urethra	14
Synovitis	1
Syphilis	454
Sycosis menti	6
Tape Worm	2
Teeth extracted	153
Thrush	1
Tonsilitis	218
Torticollis	8
Tuberculosis pul	81
Tubercular glands	6
" joints	1
" peritonitis	1
Tumor—Fibroid	3
Urinary retention	44
Urinary incont	8
Uraemic convulsions	1
Urine (scanty)	19
Uterine colic	1
Urticaria	50
Varicose veins	12
Varicocle	1
Varicose ulcer	79
Venereal warts	8
Vertigo	110
Wounds contused	19
" gun-shot	6
" incised	170
" lacerated	102
" punctured nail	3
" stab	2
" infected	1

Total number of diseases	9,063
" " surgical cases	481
" " teeth extracted	172
Total	9,716

Executed	1
Died	11
Cured	7,610
Relieved	2,044
Under treatment Dec. 31	50
	9,716

White males	3,358
Colored males	3,986
White females	802
Colored females	1,570
Total	9,716

Total prescriptions	22,825
Total special diets	8,555

RECAPITULAITON

For Year Ending December 31, 1900.

Month.	White. Males.	White. Females	Colored. Males.	Colored. Females	Total.
January	260	26	389	131	806
February	242	22	341	92	697
March	289	32	340	108	769
April	267	33	289	107	696
May	274	50	273	143	740
June	284	46	311	118	759
July	323	120	291	107	841
August	314	133	372	155	974
September	279	117	368	127	891
October	238	143	337	151	869
November	233	60	306	188	787
December	355	20	369	143	887
Total	3,358	802	3,986	1,570	9,716

TRANSFERS TO BAYVIEW.

White males	10
White females	7
Colored males	7
Colored females	3
	27

TRANSFERS TO CITY HOSPITAL.

Colored males	2

TRANSFERS TO SPRING GROVE.

White male	1

TRANSFERS HOME.

Colored males	2
Colored females	3
	5

DEATHS.

February 12, John Reynolds, white, 12.45 A.M. Acute Nephritis.
March 14, Albert Simms, colored, 6.25 P.M. Pulmonary Tuberculosis.
March 16, John Simmons, colored, 2.30 P.M. Pulmonary Tuberculosis.
March 28, Thomas A. Barron, white 4.30 A.M. Delirium Tremens.
April 19, James Ayres, colored, 4.32 P.M. Endo Carditis, Rheumatic.
July 30, S. G. Hurst, white, 2.25 A.M. Asthma, Senility.
August 19, Saml Monroe, colored, 6.20 A.M. Pulmonary Tuberculosis.
August 19, Emma Irving, White, 5 A.M. Cerebral Hemorrhage Epilepsy.
October 2, Sarah Brown, colored, 8.35 P.M. Pulmonary Tuberculosis.
Nov. 20, Wm. Johnson, colored, 9.30 P.M. Tubercular Peritonitis.
Dec. 13, John C. Schmidt, white, 8.27 P.M. Delirium Tremens.

LEGAL EXECUTIONS.

Amos B. Smith, colored, August 3, 10.05 A.M.

ANNUAL REPORT

—OF THE—

CITY COLLECTOR

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900

BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

REPORT.

DEPARTMENT OF FINANCE,

SUB-DEPT., CITY COLLECTOR'S OFFICE,

CITY HALL, BALTIMORE, January 1, 1901.

To the Honorable Mayor and City Council of Baltimore.

GENTLEMEN: I herewith transmit for your consideration a copy of the records of this department for the year ending December 31, 1900, which show the amount of moneys collected and from what sources.

Respectfully submitted,

JAMES P. GORTER,

City Collector.

TABLES.

TABLE A.

Total City and State Taxes, Including the Annex, Received from January 1, 1900 to December 31, 1900.

	City.	State.	Total.	Annex. City.	Annex. State.	Annex. Total.
January	$ 107,929 87	$ 10,054 22	$ 117,984 09	$ 6,094 99	$1 762 30	$ 7,857 29
February	101,847 01	7,669 96	109,516 97	6,483 16	1,826 66	8,309 82
March	535,400 47	4,563 36	539,963 83	17,806 25	1,044 97	18,851 22
April	3,076,946 51	316,069 07	3,393,015 58	32,180 01	9,323 17	41,503 18
May	433,578 61	41,114 20	474,692 81	5,867 86	1,946 38	7,814 24
June	526,302 33	51,999 73	578,302 06	10,821 47	3,352 07	14,173 54
July	512 220 33	48,447 20	560,667 53	7,699 87	2,324 38	10,024 25
August	88,312 96	19,746 04	108,059 00	1,890 05	726 34	2,616 39
September	101,461 89	11,835 87	113 297 76	2,277 48	779 52	3,057 00
October	92,313 73	9,609 47	101,923 20	2,396 74	928 13	3,324 87
November	66,405 08	6,846 74	73,251 82	1,766 58	512 98	2,279 56
December	107,933 62	10,813 03	118,746 65	1,648 21	540 95	2,189 16
Total	$5,750,652 41	$538,768 89	$6,289,421 30	$96,932 67	$25,067 85	$122,000 52

City, including Streets and Mortgages	$5,750,652 41	State, (City proper)	$538,768 89
City Annex	96,932 67	State Annex	25,067 85
	$5,847,585 08		$563,836 74

City	$5,847,585 08
State	563,836 74
Total	$6,411,421 82

TABLE B.

Recapitulation of Taxes Collected from January 1, 1900, to December 31, 1900.

	Basis.	Rate.	Tax.	Discount.	Net Tax.	Interest.	Total.
1896.		$2 00					
Real	$ 53,785		$ 1,075 70		$ 1,075,70	$ 202 33	$ 1,278 03
Personal	960,612		18,352 64		18,352 64	4,094 76	22,447 40
1897.		2 00					
Real	1,335,463		26,709 26		26,709 26	3,389 86	30,099 12
Personal	8,637,763		172,755 26		172,755 26	1,282 74	174,038 00
Securities	155,958	30	467 89		467 89	59 49	527 38
1898.		2 25					
Real	8,193,260		184,348 34		184,348 34	15,252 67	199,601 01
Personal	8,729,931		196,423 44		196,423 44	1,544 77	197,968 21
Securities	291,835	30	875 52		875 52	60 92	936 44
1899.		1 98					
Real	17,088,679		338,355 91		338,355 91	18,097 58	356,453 49
Personal	8,885,076		175,924 56		175,924 56	1,313 57	177,238 13
Securities	985,029	30	2,955 10		2,955 10	114 16	3,069 26
1900.		1 67					
Real	197,011,927		3,290,099 19	$31,628 55	3,258,470 64	3,784 98	3,262,255 62
Personal	64,391,279		1,075,334 38	13,312 40	1,062,021 98	1,231 12	1,063,253 10
Securities	64,334,028	30	193,002 09	2,619 44	190,382 65	134 54	190,517 19
Total	$381,054,625		$5,676,679 28	$47,560 39	$5,629,118 89	$50,563 49	$5,679,682 38
Opening Streets and Alleys							$47,825 36
Paving Streets and Alleys							4,952 10
Mortgages							18,192 57
							$5,750,652 41

NOTE.—The discount allowed by the Mayor and City Council for the prompt payment of Taxes on Levy of 1900 on Real and Personal, according to the above Table, was $44,940.95, which is equivalent to the Taxes on a basis of $2,691,075, and this amount deducted from the gross basis, $312,013,765, leaves a net basis collected upon of $309,322,690. See Table G.

TABLE C.

Rate of Tax Per One Hundred Dollars.

	1896.	1897.	1898.	1899.	1900.
Police Department	27	30	33½	32½	27⅞
Certain Expenses	9	7½	10	9¾	8⅛
Public Schools	37½	36¾	45¾	35½	30½
City Poor	11	13	14	13	11⅞
City Direct	66½	52	64½	53	43¾
Interest on Stock Debt	27	32½	37½	34½	27⅞
Opening Streets	4¾	10	1½	½	¾
Water 1926 Sinking Fund	1	1	1	1	1
Internal Improvement 1928 Sinking Fund	3	3	3	3	3
General Sinking Fund	8¼	8¼	8¼	8¼	3¼
Public Improvements 1940 Sinking Fund	2	2	2	2	2
Four Million Loan Sinking Fund	½	½	½	½	½
Water 1916 Sinking Fund	2	2	2	2	2
" 1922 " "	½	½	½	½	½
Funding 1936 " "		1	1	1	1
Conduit 1922 " "				1	1
Refunding 1940 Sinking Fund					2
	$2 00	$2 00	$2 25	$1 98	$1 67

TABLE D.

Monthly Receipts of Taxes on the Several Levies from 1896 to 1900, inclusive, for Opening and Paving Streets and Alleys, Securities and Mortgages from January 1, 1900, to December 31, 1900.

	1896.	1897.	1898.	1899.	1900.	Opening Streets and Alleys.	Paving Streets and Alleys.	Securities.	Mortgages.	Totals.
Jan....	$ 647 23	$ 13,319 21	$ 30,105 03	$ 61,557 38	.....	$ 661 25	$ 162 66	$ 1,164 79	$ 312 32	$ 107,929 87
Feb...	21,350 83	16,462 84	24,000 67	36,926 02	.....	791 70	145 18	2,075 76	94 01	101,847 01
Mch...	1,411 78	169,409 03	188,774 75	174,901 33	.....	510 25	234 20	155 85	3 28	535,400 47
Apr...	23 90	330 40	11,026 57	24,470 86	$2,864,810 88	4,026 54	3 18	172,171 58	82 60	3,076,946 51
May..	24 60	1,220 20	50,339 60	31,786 42	318,874 25	22,562 98	68 08	8,566 53	136 55	433,578 61
June..	203 65	1,176 76	19,057 69	51,263 37	450,462 17	105 68	.....	3,968 63	64 38	526,302 33
July...	.....	758 40	26,131 81	42,962 25	434,598 80	4,562 16	.....	3,146 67	60 24	512,220 33
Aug...	.....	460 29	13,275 69	21 417 21	52,373 08	27 75	.....	488 78	270 16	88,312 96
Sept...	15 25	118 23	15,890 35	24,427 50	38,322 75	10,297 70	463 94	1,361 35	10,564 82	101,461 89
Oct ...	.....	86 75	8,946 90	28,967 01	47,235 52	294 51	1,987 40	698 09	4,097 55	92,313 73
Nov...	48 79	161 34	5,136 41	16,601 16	40,461 19	1,147 42	588 34	504 87	1,755 56	66,405 08
Dec....	.....	633 67	4,883 75	18,411 11	78,370 08	2,837 42	1,299 12	747 37	751 10	107,933 62
Tot'ls	$23,725 43	$204,137 12	$397,569 22	$533,691 62	$4,325,508 72	$47,825 36	$4,952 10	$195,050 27	$18,192 57	$5,750,652 41

TABLE E.

Division of Taxes received from January 1, 1900, to December 31, 1900.

	1896.	1897.	1898.	1899.	1900.	Totals.
Police Department	$2,622 88	$29,919 69	$56,692 71	$ 84,414 72	$ 721,160 06	$ 894,810 96
Certain Expenses	874 28	7,479 94	16,923 17	25,324 44	210,203 58	260,805 41
Public Schools	3,642 82	36,651 61	77,423 58	92,206 79	789,072 00	998,996 80
City Poor	1,068 55	12,965 19	23,692 50	33,765 87	307,220 64	378,712 75
City Direct	6,459 93	51,860 77	109,154 52	137,660 84	1,131,865 55	1,437,001 61
Interest on Stock Debt	2,622 82	32,412 96	63,461 97	89,609 44	721,160 06	909,267 25
Opening Streets	461 41	9,973 24	2,538 42	1,298 71	19,403 41	33,675 19
Water 1926 Sinking Fund	97 13	997 35	1,692 34	2,597 39	25,871 21	31,255 42
Internal Improvements 1928 Sinking Fund	291 42	2,991 88	5,076 99	7,792 21	77,613 71	93,766 21
General Sinking Fund	801 42	8,227 87	13,961 65	21,428 38	84,081 45	128,500 77
Public Improvements 1940 Sinking Fund	194 28	1,994 67	3,384 61	5,194 77	51,742 43	62,510 76
Four Million Loan Sinking Fund	48 56	498 67	846 19	1,298 70	12,935 62	15,627 74
Water 1916 Sinking Fund	194 28	1,994 67	3,384 61	5,194 75	51,742 43	62,510 74
Water 1922 Sinking Fund	48 56	498 66	846 18	1,298 70	12,935 63	15,627 73
Funding 1936 Sinking Fund		997 35	1,692 34	2,597 38	25,871 21	31,158 28
Conduit 1922 Sinking Fund				2,597 38	25,871 21	28,468 59
Refund'g 1940 Sink'g Fund					51,742 42	51,742 42
	$19,428 34	$199,464 52	$380,771 78	$514,280 47	$4,320,492 62	$5,434,437 73
Interest	4 297 43	4,672 60	16,797 44	19,411 15	5,016 10	50,194 38
	$23,725 43	$204,137 12	$397,569 22	$533,691 62	$4,325,508 72	$5,484,632 11

Opening and Closing Streets and Alleys	$ 47,825 36
Paving Streets and Alleys	4,952 10
Securities	195,050 27
Mortgages	18,192 57
	$5,750,652 41

TABLE F.

Showing the Percentage Collected During the Current Year of the Respective Levies from 1891 to 1900, inclusive.

Year.	Basis.	Basis Collected Upon.	Per Cent.
1891	$278,398,105	$201,662,443	72.44
1892	282,720,820	205,802,258	72.79
1893	290,309,113	201,433,295	69.38
1894	292,090,946	210,798,898	72 17
1895	295,065,321	211,962,302	71.84
1896	294,234,565	209,773,836	71.26
1897	320,755,866	231,609,977	72.21
1898	319,286,803	242,727,711	76.02
1899	329,377,795	284,927,082	86.50
1900	379,070,440	325,737,234	85.93

TABLE G.

Showing the Percentage Collected Monthly, on Real and Personal Property, Levy of 1900, December, 31, 1900.

Real and Personal Basis December 31, 1900.	Months.	Basis Collected Upon.	Per Cent.	
$312,013,765	April	$174,157,931	55.8	
	May	19,172,973	06.2	
	June	26,956,900	08.7	
	July	25,990,894	08.3	
	August	3,119,397	01.	
	September	2,270,275	00.7	
	October	2,784,692	00.9	
	November	2,374,243	00.7	
	December	4,575,901	01.5	
		$261,403,206	83.8	Gross
Discount allowed, reduced to Basis		$2,691,075		
Net Basis collected upon		$258,712,131	83.1	Net.

Real and personal basis estimated upon by the Board of Estimates	$311,617,353		
Real and personal basis collected upon	$261,403,206	83.9	Gross.
	258,712,131	83.2	Net.

TABLE H.

Summary of Receipts for Opening and Closing Streets and Alleys from January 1, 1900, to December 31, 1900.

Baxter street	$10,046 52
Castle street	339 00
Clarkson street	322 25
Ducatel street	2,742 91
Ensor street	360 00
Fairmount avenue	5 00
Grove street	600 00
Hoffman street	2,014 34
Mount street	1,483 99
Northwest street	15,235 59
Paca street	135 00
Patuxent street	474 25
Payson street	12,363 44
St. Paul street	1,569 74
Seventy Foot street	133 33
	$47,825 36

TABLE I.

Summary of Receipts for Paving Streets and Alleys, from January 1, 1900, to December 31, 1900.

Clifton avenue	$1,823 84
Collington avenue	100 00
Footway on Cross street	15 88
Footway on Federal street	8 20
Footway on Milton avenue	43 63
Footway on North avenue	12 80
Footway on Pulaski street	55 88
Footway on Washington street	5 01
Lovegrove alley	400 58
Thirteenth street	2,486 28
	$4,952 10

TABLE J.

Shows the Total Amounts Collected, the Total Basis Collected Upon During the Year 1900 on Taxes in Arrears and on Levy of 1900, in Comparison with same for the Year 1899.

The total amounts collected in 1900 were:			
On taxes in arrears	$53,884,569		$1,159,123 39
On levy of 1900, real and personal..	261,403,206		4,325,508 72
On levy of 1900 securities	64,334,028		190,517 19
Total			$5,674,149 30
The total amounts collected in 1899 were:			
On taxes in arrears	$66,884,694		$1,451,053 79
On levy of 1899, real and personal..	227,168,555	@ 1.98	4,453,685 25
On levy of 1899 securities	57,758,489	@ .30	170,382 58
Total			$6,075,121 62

SUMMARY.

1900 taxes in arrears	$53,884,569	$1,159,123 39
1899 taxes in arrears	66,884,694	1,451,053 79
1900 levy of 1900, real and personal..	261,403,206	4,325,508 72
1899 levy of 1899, real and personal..	227,168,555	4,453,685 25
1900 levy of 1900 securities	64,334,028	190,517 19
1899 levy of 1899 securities	57,758,489	170,382 58

TABLE K.

Showing the Total Collection Made During the Year 1900 in Comparison with Estimate as Made by the Board of Estimates.

	Collected.	Estimated.	Deficiency.	Excess.
Current	$4,320,492 62	$4,423,408 33	$102,915 71	
Current interest	5,016 10			$5,016 10
Arrears	1,159,123 39	1,108,953 62		50,109 77
Annex	96,693 98	96,790 76	96 78	
Securities	195,288 96	177,632 73		17,656 23
Mortgages	18,192 57	17,500 00		692 57
	$5,794,807 62	$5,824,285 44	$103,012 49	$73,534 67

SUMMARY.

Collected	$5,794,807 62
Estimated	5,824,285 44
Amount collected under estimates	$29,477 82
Deficiency	$103,012 49
Excess	73,534 67
Amount collected under estimate	$29,477 82

TABLE L.

Shows the Amount of Mortgage Tax Collected Monthly, from January 1, 1900, to December 31, 1900.

	1897.	1898.	1899.	1900.	Total.	City's Portion.	State's Portion.
January		$41 33	$375 09		$416 42	$312 32	$104 10
February	51	19 12	105 72		125 35	94 01	31 34
March			4 37		4 37	3 28	1 09
April	$3 18	5 16	101 78		110 12	82 60	27 52
May			182 07		182 07	136 55	45 52
June	14 59	16 67	54 57		85 83	64 38	21 45
July	7 72	2 04	70 56		80 32	60 24	20 08
August	212 34	45 95	101 92		360 21	270 16	90 05
September	281 57	79 13	278 53	$13,447 19	14,086 42	10,564 82	3,521 60
October	546 56	60 26	212 97	4,643 59	5,463 38	4,097 55	1,365 83
November	79 67	50 26	249 14	1,961 67	2,340 74	1,755 56	585 18
December	3 27	23 66	92 87	881 70	1,001 50	751 10	250 40
	$1,149 41	$343 58	$1,829 59	$20,934 15	$24,256 73	$18,192 57	$6,064 16

TABLE A.—ANNEX.

The collections during the year 1900 were $96,693 98, of which there were collected on—

Levy of 1896		$ 680 40
Levy of 1897		8,044 49
Levy of 1898		15,169 11
Levy of 1899		25,521 70
Levy of 1900		47,278 28
		$96,693 98

The basis collected upon were—

Levy of 1896	$ 95,676	
Levy of 1897	1,288,691	
Levy of 1898	2,402,991	
Levy of 1899	4,089,142	
Levy of 1900	7,950,338	
	$15,826,838	

The amount of State taxes collected on were—

Levy of 1896		$ 77 86
Levy of 1897		853 60
Levy of 1898		3,357 07
Levy of 1899		7,428 25
Levy of 1900		13,351 07
		$25,067 85

Total city	$ 96,693 98	
Total State	25,067 85	
	$121,761 83	

TABLE B--ANNEX.

	Basis.	Rate.	Tax.	Discount.	Net Tax.	Interest.	Total.
1896.							
Real	$36,981	.60	$221 88		$221 88	$41 20	$263 08
Personal	58,695	.60	352 17		352 17	65 15	417 32
1897.							
Real	389,780	.60	2,338 69		2,338 69	298 41	2,637 10
Personal	898,911	.60	5,393 46		5,393 46	13 93	5,407 39
1898.							
Real	1,508,736	.60	9,052 43		9,052 43	730 13	9,782 56
Personal	894,255	.60	5,365 61		5,365 51	21 04	5,386 55
1899.							
Real	3,086,771	.60	18,520 64		18,520 64	935 25	19,455 89
Personal	1,002,371	.60	6,014 20		6,014 20	51 61	6,065 81
Securities	76,200	.30	228 60		228 60	10 09	238 69
1900.							
Real	7,950,338	.60	47,702 01	460 20	47,241 81	36 47	47,278 28
	$15,903,038		$95,189 59	$460 20	$94,729 39	$2,203 28	$96,932 67

ANNUAL REPORT

—OF THE—

CITY COMPTROLLER

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900

BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

COMPTROLLER'S DEPARTMENT

Comptroller:
JAMES H. SMITH.

Deputy Comptroller:
JULIUS W. FREEMAN.

Chief Clerk:
HENRY C. HINES.

Assistant Clerk: H. L. P. WOOLF.

Auditors: ALBERT M. COLLINS.
HOWARD E. GAITHER.

License Detective: C. H. S. BRANNAN.

Stenographer: WM. M. JORDAN.

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REPORT

COMPTROLLER'S DEPARTMENT—CITY HALL,

BALTIMORE, January 5, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN—In accordance with the provisions of the law, with pleasure I herewith respectfully submit the report of this department for the fiscal year ending December 31, 1900. The results are flattering and fix the second milestone in the pathway of the beneficent results, accruing to the citizens of Baltimore under the operation of the New Charter and which, if continued, cannot fail in a reasonable time to place the finances of Baltimore in such condition that either the burdens of taxation can be greatly lessened or a general system of sewerage inaugurated that will preclude the possibility of an epidemic with its attendant great loss of life and expense. The surplus to be turned into the General Sinking Fund amounts to $266,261.62, not considering the amount required by law of $19,601.89, to be turned over to the Special Fund of the Board of Police Commissioners for pensions, etc., and $27,210.23 for work done and material ordered under contracts which act as liens upon the amounts carried forward to 1901 for payment. The accompanying statements set forth in full the expenditures of the different departments; also, the receipt of money from all sources to meet the same. With the hearty co-operation of the department heads, all expenditures have been carefully scrutinized to protect the city's interest, and keep within the appropriations respectively made them, with the result heretofore stated.

Under the amendments to the New Charter passed at the last session of the Legislature, the Park Board and Water

Board were placed under the same conditions governing other departments, and required to make annual estimates of their expenditures and supplemental ordinances were passed accordingly. The Park Board consumed the entire amount appropriated; whereas, the Water Board's actual receipts over expenditures was $229,412.93, which amount was paid December 31 to the Finance Commissioners. The amount received for Public Franchises was $2,850.00, and, under the amendment (Acts of Assembly 1900, Chapter 123, Section 10) governing Minor Privileges, the city has received $29,328.53.

For the kindly co-operation of the different departments with this office, I would hereby record my thanks.

Your obedient servant,

JAMES H. SMITH,
Comptroller.

STATEMENTS.

STATEMENT NO. 1.

RECEIPTS AND EXPENDITURES DURING THE FISCAL YEAR ENDING DECEMBER 31, 1900.

Cash balance charged to City Register January 1, 1900...		$996,079 28
Received from City Collector.		
Account tax levy, 1900	$4,320,492 62	
Account taxes in arrears	1,113,945 11	
Account interest	50,194 38	
Account taxes on suburban property	47,241 81	
Account taxes in arrears, Annex	49,452 17	
Account assessment of securities	195,288 96	
Account assessment of mortgages	18,192 57	
Account opening streets, city benefits	22,290 08	
Account opening streets, individual benefits	25,535 28	
Account paving streets, assessments	4,952 10	
		$5,847,585 08
Received from Various Sources.		
Park Board (city railway receipts, etc.)	$295,332 13	
Water Board (water rents, etc.)	948,980 58	
Temporary loans	300,000 00	
Interest on stock debt (Park Board, Water Board, W. M. R. R. and Commissioners of Finance)	705,680 83	
State of Maryland, school fund (city's proportion of State tax)	265,579 04	
Free text books (white)	45,077 01	
Free text books (colored)	7,622 77	
Liquor licenses (revenue)	396,529 67	
City licenses (revenue)	41,779 92	
Dog licenses and fines	15,802 00	
Market license receipts	59,108 15	
Market halls (rentals)	654 00	
Interest on deposits (daily balances)	34,442 49	
Wharfage	36,861 83	
Auction duties	3,512 76	
Fines (magistrates)	9,093 61	
Board of Insane (reimbursement)	7,341 99	
Inspector of Buildings (permits for sheds, etc.)	8,119 95	
City Engineer (inspection private paving)	10,595 34	
Minor privileges and franchises	33,080 13	
Inspectors of weights and measures (fees)	6,621 93	
Tax bailiffs (fees)	22,269 33	
City car tickets	3,572 50	
Tax sales (redemption)	125 92	

Inspector of Buildings' department (refunded)	$ 18 00	
Street Cleaning Department (refunded)	3 00	
Health Department (refunded)	84 35	
Quarantine (refunded)	69 00	
Fire Department (refunded)	76 53	
City Engineer (refunded)	2,102 05	
Grade advertising	75 00	
Comptroller's Department	5 00	
Rents (City Real), Lovegrove Alley, Penna. Avenue and Ensor Street	781 72	
Superintendent of Public Buildings (refunded)	60 00	
Public Schools (refunded)	1,822 76	
Police Department (refunded)	8,115 96	
Bay View Asylum (refunded)	14 00	
Judgments and suits	122 60	
Removed cases	3,109 40	
Free Baths Commission (revenue)	2,123 04	
Turnpike dividends (revenue)	116 32	
Telephone conduits (revenue)	10,468 35	
State tax on city loans	5,292 16	
Intestate estates	822 16	
City Seal	8 60	
Street Cleaning Department	1,533 07	
Superintendent of Lamps and Lighting (inspection of and testing meters)	4,849 56	
City Library	42 46	
Topographical Survey (maps)	59 75	
Quarantine (tonnage tax)	18,187 82	
Health Department (transcript of births and deaths)	398 58	
Harbor Board	1,052 00	
Baltimore City Jail (board of prisoners and sale of old material)	6,808 23	
Fire Department (old hose, etc)	1,427 85	
Transportation of Poor	65 30	
City property (rents on same)	1,557 00	
City Engineer (sale of old material)	1,249 01	
Police Department	30 50	
Public schools (tuition fees, non-resident pupils)	3,176 64	
Superintendent of Public Buildings (sale of old material)	788 24	
Supervisors of Elections	146 63	
Bay View Asylum (sale of old material)	881 32	
Park Board (account squares)	2,759 32	
Dog licenses and fines from Society for Prevention of Cruelty to Animals	20,000 00	
Conscience Fund	3 00	
Fire damage—Baltimore City College	42 00	
Forfeiture on contract	500 00	
Old material, opening streets	1,054 00	
		$3,359,686 16

Six Million 1940 Loan.

Inlets Mosher Street Sewer (wages returned)	$.....	$1 67

Four Million 1945 Loan.

Extension of water supply (wages returned)	$45 60	
Sale of stock, Commissioners of Finance...	456,500 00	
		$456,545 60

Conduit 1922 Loan.

Electrical Commission	$1,126 71	
Sale of stock, Commissioners of Finance...	350,000 00	
		$351,126 71
		$11,011,024 50

STATEMENT No. 1—Concluded.

Expenditures.

Inspector of Buildings	$134,130 18
Inspector of Buildings (No. 11 truck house)	8,058 41
Commissioner of Street Cleaning	382,776 41
Superintendent of Lamps and Lighting	389,589 73
Harbor Board	60,902 15
Harbor Board (extra services)	1,039 74
Commissioner of Health	79,796 14
Board of Fire Commissioners	457,753 55
City Collector	33,864 65
City Engineer	275,819 90
City Engineer (grade advertising)	58 91
City Engineer (inspection of private paving)	9,631 13
Appeal Tax Court	18,629 34
Commissioners for Opening Streets	7,175 00
Liquor License Commission	14,327 78
Supervisors of Elections	82,373 22
City Library	17,782 57
Superintendent of Public Buildings	71,742 30
Diary of City Council	56,942 88
Mayoralty	11,841 12
City Register	11,249 99
City Comptroller	12,695 44
Topographical Survey	5,305 08
Law Department	12,327 19
Board of School Commissioners	1,211,332 57
Police Department	905,596 92
Certain Expenses	256,160 40
City Poor	387,169 92
General expenditures	145,030 20
Interest on stock debt	1,573,584 31
Commissioners of Finance	521,168 66
Park Board	296,594 73
Water Board	1,011,512 33
Dog licenses and fines	26,289 80
Markets	4,667 72
Interests on deposits (Commissioners of Finance)	5,421 46
Market halls	237 65
Fines (refunded)	80 00
Board of Insane	51 93
Wharfage	8,225 96
Tax sales	5,792 32
Temporary loans	300,000 00
Opening streets (appropriation)	22,290 08
Public franchises	881 60
City car tickets	3,750 00
Inspectors of weights and measures	6,621 93
Tax bailiffs	22,269 33

Extension of Clifton Park	3,169 20	
Dangerous walls	616 33	
Free text books (white)	4,629 77	
Free text books (colored)	482 89	
Superintendent of Lamps and Lighting (meter refunds)	10 00	
City Engineer (refund)	6 29	
Mayor and City Council, Commissioners of Finance, surplus 1899	473,450 63	
Squares, etc	2,759 32	
Fire damage, Baltimore City College	42 00	
Paving streets (account of assessment)	5,845 35	
Opening streets, (damages paid)	56,021 55	
Paving certificates	6,778 03	
Permits, sheds, etc	1,071 97	
		$9,425,425 96

Six Million 1940 Loan.

Constructing sewers	$ 5,123 49	
Furnishing New Court House	201,541 71	
		$206,665 20

Four Million 1945 Loan.

Enlargement of water supply	$ 85,243 37	
New Court House	240,595 71	
		$325,839 08

Internal Improvement 1928 Loan.

Constructing sewers	$	71 16

Conduit 1922 Loan.

Electrical Commission	$	285,690 98
Total Payments		$10,243,692 38
Balance charged to City Register		767,332 12
		$11,011,024 50

STATEMENT No. 2.

STATEMENT OF ESTIMATES AND RECEIPTS TO DECEMBER 31, 1900.

		Estimate.	Received.	Balance Dr.	Balance Cr.
Taxes for 1900.	*Per $100.*				
Direct tax	$ .43¾	$1,158,827 04	$1,131,865 55	$26,961 49	
Public schools	.30½	807,867 99	789,072 00	18,795 99	
Police Department	.27⅞	738,338 36	721,160 06	17,178 30	
Interest on stock debt	.27⅞	738,338 37	721,160 06	17,178 31	
Certain expenses	.08⅛	215.210 74	210,203 58	5,007 16	
City poor	.11⅞	314,538 75	307,220 64	7,318 11	
Opening streets	.00¾	19 865 61	19,403 41	462 20	
General Sinking Fund	.03¼	86,084 28	84,081 45	2,002 83	
Water 1916 Loan Sinking Fund	.02	52,974 95	51,742 43	1,232 52	
" 1926 " " "	.01	26,487 48	25,871 21	616 27	
" 1922 " " "	.00½	13,243 74	12,935 63	308 11	
Internal Imp. 1928 Sinking Fund	.03	79,462 42	77,613 71	1,848 71	
Public Imp. 1940 " "	.02	52,974 95	51,742 43	1,232 52	
Four Million 1945 " "	.00½	13,243 74	12,935 62	308 12	
Funding 1936 " "	.01	26,487 48	25,871 21	616 27	
Conduit 1922 " "	.01	26,487 48	25,871 21	616 27	
Refunding 1940 " "	.02	52,974 95	51 742 42	1,232 53	
	$1.67				
Basis $311,617,353		85 per cent.	83 per cent.		
Totals		$4,423,408 33	$4,320,492 62	$102,915 71	

Income from Mortgages	$ 17,500 00	$ 18,192 57		$ 692 57
Assessment of Securities	177,632 73	195,050 27		17,656 23
" " Annex		238 69		
Totals	$195,132 73	$213,481 53		$18,348 80
Taxes in Annex:				
Direct (arrears and interest)	$41,533 47	$49,452 17		$7,918 70
Suburban property	55,257 29	47,241 81	$8,015 48	
Totals	$96,790 76	$96,693 98	$8,015 48	$7,918 70
Taxes in Arrears.				
Direct Tax	$292,039 63	$305,136 06		$13,096 43
Public schools	195,611 44	209,924 80		14,313 36
Police Department	179,080 90	173,650 00	$5,430 90	
Interest on Stock Debt	190,101 26	188,107 19	1,994 07	
Certain expenses	53,724 27	50,601 83	3,122 44	
City poor	71,632 35	71,492 11	140 24	
Opening streets	2,755 09	14,271 78		11,516 69
General Sinking Fund	45,459 00	44,419 32	1,039 68	
Water 1916 Loan Sinking Fund	11,020 36	10,768 31	252 05	
" 1926 " " "	5,510 18	5,384 21	125 97	
" 1922 " " "	2,755 09	2,692 10	62 99	
Internal Imp. 1928 Sinking Fund	16,530 54	16,152 50	378 04	
Public Imp. 1940 " "	11,020 36	10,768 33	252 03	
Four Million 1945 " "	2,755 09	2,692 12	62 97	
Funding 1936 " "	5,510 18	5,287 07	223 11	
Conduit 1922 " "	5,510 18	2,597 38	2,912 80	
Interest	17,937 70	50,194 38		32,256 68
Totals	$1,108,953 62	$1,164,139 49	$15,997 29	$71,183 16
Totals for taxes, current and arrears	$5,824,285 44	$5,794,807 62	$126,928 48	$97,450 66
Public Schools, Additional.				
State of Maryland	$255,000 00	$265,579 04		$10,579 04
Tuition Fees	3,255 00	3,176 64	$78 36	
Totals	$258,255 00	$268,755 68	$78 36	$10,579 04

STATEMENT No. 2—Continued.

City Poor, Additional.				
Bay View Asylum	$ 650 00	$ 881 32	.....	$ 231 32
Fines	5,500 00	9,013 61	.....	3,513 61
Board of Insane Patients	2,500 00	7,290 06	.....	4,790 06
Totals	$8,650 00	$17,184 99	.....	$8,534 99
Certain Expenses, Additional.				
City Jail	$5,555 00	$6,808 23	.....	$1,253 23
Interest on Stock Debt, Additional.				
Water Board	$380,000 00	$380,000 00	.....	.....
Commissioners of Finance	101,562 50	120,520 83	.....	$18,958 33
Western Maryland Railroad Co	124,110 00	169,422 50	.....	45,312 50
Park Board	43,000 00	35,737 50	$7,262 50	.....
Totals	$648,672 50	$705,680 83	$7,262 50	$64,270 83
Sundry Accounts.				
Liquor Licenses	$390,000 00	$396,529 67	.....	$6,529 67
Sale of Refuse	750 00	1,533 07	.....	783 07
Quarantine Hospital	18,000 00	18,187 82	.....	187 82
Permits for sheds, signs, etc	8,500 00	7,047 98	1,452 02	.....
City Eng'r, sale of old material, permits, etc.	4,500 00	1,242 72	3,257 28	.....
Superintendent of Lamps and Lighting	3,000 00	4,839 56	.....	1,839 56
Markets	50,000 00	54,440 43	.....	4,440 43
Wharfage	23,000 00	28,635 87	.....	5,635 87
General Licenses	63,500 00	41,779 92	21,720 08	.....
Auction duties	6,000 00	3,512 76	2,487 24	.....
Telephone Conduits	9,232 00	10,468 35	.....	1,236 35
Fire Department	650 00	1,427 85	.....	777 85

City Library	$ 50 00	$ 42 46	$ 7 54	
Topographical Survey	100 00	59 75	40 25	
W. M R. R. State Tax City Loans	1,000 00	1,115 94		115 94
City Register State Tax City Loans	4,000 00	3,972 09	27 91	
Supervisors of Elections	100 00	146 63		46 63
Interest on deposits	20,000 00	29,021 03		9,021 03
Public franchises	5,000 00	32,198 53		27,198 53
Health Department	360 00	398 58		98 58
Electrical Commission	6,830 00		6,830 00	
Dog licenses and fines	20,000 00	20,000 00		
Harbor Board		12 26		12 26
Transportation of poor		65 30		65 30
Police Department		30 50		30 50
Superintendent of Public Buildings		788 24		788 24
Rents from city property		2,752 64		2,752 64
Broadway Hall		118 75		118 75
Cross Street Hall		227 75		227 75
Hollins Hall		69 85		69 85
Turnpike dividends		116 32		116 32
City seal		8 60		8 60
Comptroller's Department		5 00		5 00
Conscience Fund		3 00		3 00
Totals	$634,512 00	$660,799 22	$35,822 32	$62,109 54
Grand Totals	$7,379,929 94	$7,454,036 57	$170,091 66	$244,198 29
				170,091 66
Surplus of receipts				$74,106 63

STATEMENT NO. 3.

STATEMENT OF APPROPRIATIONS AND EXPENDITURES TO DECEMBER 31, 1900.

	Appropriations. 1900.	Expenditures. 1900.	Balance. Dr.	Balance. Cr.
Inspector of Buildings Department.				
†Repairs of city property, schools, etc, consol	$120,000 00	$116,250 00		$3,750 00
Emptying cess-pools	600 00	588 00		12 00
Incidentals	500 00	500 00		
Livery and transportation	500 00	437 75		62 25
*Salaries	11,625 00	11,625 00		
Building grammar school No. 7	2,425 25	2,425 25		
Building Baltimore City College	2,400 00	2,304 18		95 82
Totals	$138,050 25	$134,130 18		$3,920 07
Street Cleaning Department.				
Garbage carts and men	$163,800 00	$163,761 11		$38 89
Street carts and men	84,240 00	84,169 50		70 50
Sweepers and scrapers	83,200 00	83,175 88		24 12
Salaries	15,999 00	14,994 45		1,004 55
Contingent fund	500 00	497 18		2 82
Sweeping machines, sprinklers, etc	23,500 00	23,053 81		446 19
*Removal of garbage	9,950 00	9,950 00		
Tools, repairs, etc	2,500 00	2,495 73		4 27
Printing reports	100 00	15 25		84 75
Two new sprinklers	700 00	642 50		57 50
Totals	$384,489 00	$382,755 41		$1,733 59

Superintendent of Lamps and Lighting.				
Gas	$146,295 53	$140,203 30		$ 6,092 23
Electric lights	180,760 75	164,335 63		16,425 12
Gasoline	18,405 00	17,148 25		1,256 75
Salaries	3,000 00	3,000 00		
Lamplighters' salaries	67,834 00	64,575 14		3,258 86
Incidentals	500 00	327 41		172 59
Totals	$416,795 28	$389,589 73		$27,205 55
Harbor Commission.				
Salaries	$ 4,900 00	$ 4,888 82		$ 11 18
Dredging harbor	35,080 00	34,102 50		977 50
Iceboats	15,000 00	15,000 00		
Repairs of wharves	4,900 00	4,384 91		515 09
Removal of ashes from towboats	1,200 00	723 59		476 41
Removal of floating matter	2,500 00	1,417 18		1,082 82
Incidentals	500 00	385 15		114 85
Totals	$64,080 00	$60,902 15		3,177 85
Health Department.				
*Salaries	$45,182 00	$45,180 39		$ 1 61
Expenses	12,970 00	12,931 87		38 13
Quarantine station, salaries	10,805 00	10,226 11		578 89
" " expenses	8,980 00	8,895 22		84 78
Artesian well	1,725 00	1,709 72		15 28
*Emergency fund	700 00	699 48		52
Totals	$80,362 00	$79,642 79		$719 21

STATEMENT No. 3—Continued.

	Appropriations 1900.	Expenditures 1900.	Balance Dr.	Balance Cr.
Fire Department.				
Salaries	$364 100 00	$363,769 51		$ 330 49
†Expenses	120,000 00	93 907 51		26,092 49
Totals	$484,100 00	$457,677 02		$26,422 98
City Engineer's Department.				
Repairs of sewers	$25,000 00	$25,000 00		
*Repairs of bridges (inc. painting)	15,400 00	15,395 94		4 06
†Repairs of roads, streets, etc.	150,000 00	149,356 41		643 59
†Paving and repaving cross streets	25,000 00	22,236 09		2,763 91
Flag and stepping-stones	4,000 00	3,993 60		6 40
Livery and transportation	1,000 00	1,000 00		
Incidentals	1,000 00	983 25		16 75
Light street bridge maintenance	7,000 00	7,000 00		
Salaries	25,000 00	24,334 27		665 73
Property yard maintenance	1,000 00	1,000 00		
Advertising	500 00	242 99		257 01
Grade establishments	1,500 00	113 07		1,386 93
†Imp. and add. to drainage system	25,000 00	23,078 89		1,921 11
Totals	$281,400 00	$273,734 51		$7,665 49
City Collector's Department.				
Salaries	$32,200 00	$31,765 38		$434 62
Expenses	2,100 00	2,099 27		73
Totals	$34,300 00	$33,864 65		$435 35

Appeal Tax Court.				
Salaries	$17,050 00	$16,863 34		$186 66
*Expenses	1,768 75	1,766 00		2 75
Biennial assessment	100 00			100 00
Totals	$18,918 75	$18,629 34		$289 41
Commissioners for Opening Streets.				
Salaries	$6,975 00	$6,975 00		
Expenses	200 00	200 00		
Totals	$7,175 00	$7,175 00		
Liquor License Commission.				
*Salaries	$10,577 52	$10,300 00		$277 52
*Expenses	4,050 00	4,027 78		22 22
Totals	$14,627 52	$14,327 78		$299 74
Supervisors of Elections.				
Registration	$58,356 00	$52,583 60		$5,772 40
Elections	21,889 00	18,198 50		3,690 50
Salaries	10,500 00	10,250 09		249 91
Expenses	2,041 00	1,341 03		699 97
Totals	$92,786 00	$82,373 22		$10,412 78

STATEMENT No. 3—Continued.

	Appropriations 1900.	Expenditures 1900.	Balance Dr.	Balance Cr.
General Expenditures.				
Salaries, not otherwise provided for	$ 9,400 00	$ 9,005 47		$ 394 53
Public printing	7,000 00	2,834 74		4,165 26
Interest on temporary loans	10,000 00	2,033 34		7,966 66
Interest on paving certificates (maturing)	812 53	812 53		
*State tax on city loans	54,253 75	54,253 75		
Ground rents on city property	53,000 00	50,552 34		2,447 66
Insurance on city property	1,500 00	625 00		875 00
Maryland Institute	9,000 00	9,000 00		
Transportation to House of Correction	500 00	280 00		220 00
General licenses	1,000 00	725 69		274 31
Assistance to examiner of titles	300 00	300 00		
Hose for various markets	800 00	779 05		20 95
Enoch Pratt Free Library fund	2,700 00	2,700 00		
Pension account, W. H. War	260 00	260 00		
Veteran Volunteer Firemen's Association	450 00	450 00		
Refunded taxes	6,000 00	3,324 65		2,675 35
Water for fire plugs at Carroll	400 00	300 00		100 00
Board of Estimates	1,000 00	589 73		410 27
Board of Public Improvements	1,000 00	1,000 00		
*Municipal Lighting Commission	500 00	18 30		481 70
Contingent fund.....$50,000 00				
Appropriated (see table)..... 44,875 01	5,124 99	4,981 48		143 51
Totals	$165,001 27	$144,826 07		$20,175 20

City Library.				
Salaries	$ 2,962 50	$ 2,846 55		$ 115 95
*Expenses	14,937 14	14,936 02		1 12
Totals	$17,899 64	$17,782 57		$117 07
Diary of City Council.				
Salaries	$46,300 00	$46,300 00		
*Expenses	10,977 25	10,642 88		$334 37
Totals	$57,277 25	$56,942 88		$334 37
Mayoralty.				
Salaries	$10,400 00	$10,400 00		
Expenses	2,000 00	1,441 12		$558 88
Totals	$12,400 00	$11,841 12		$558 88
City Register.				
Salaries	$10,500 00	$10,500 00		
Expenses	750 00	749 99		01
Totals	$11,250 00	$11,249 99		01
City Comptroller.				
Salaries	$12,400 00	$12,316 51		$83 49
Expenses	750 00	378 93		371 07
Totals	$13,150 00	$12,695 44		$454 56

STATEMENT No. 3—Continued.

	Appropriations 1900.	Expenditures 1900.	Balance Dr.	Balance Cr.
Topographical Survey.				
Salaries	$5,340 00	$5,185 82		$154 18
Expenses	125 00	119 26		5 74
Totals	$5,465 00	$5,305 08		$159 92
Law Department.				
Salaries	$10,600 00	$10,600 00		
Expenses	2,025 00	1,727 19		$297 81
Totals	$12,625 00	$12,327 19		$297 81
Superintendent of Public Buildings.				
*Salaries, City Hall	$13,606 98	$13,606 34		64
* " " " Annex	2,114 63	2,114 63		
*Expenses, " "	9,341 36	9,341 36		
* " " " Annex	2,471 85	2,471 85		
*Salaries, New Court House	22,602 02	22,508 62		$93 40
*Expenses, " " "	14,357 08	14,357 02		06
†Tower and departmental clocks	1,400 00	43 07		1,356 93
*Cable, switchboard, etc., City Hall	7,200 00	7,199 81		19
†Elevator motor, City Hall	2,000 00	39 60		1,960 40
Totals	$75,093 92	$71,682 30		$3,411 62

Public Schools.				
General salaries (office, etc)	$10,620 00	$8,446 06		$2,173 94
" expenses (office, etc)	1,500 00	1,459 78		40 22
Salaries, day schools	1,120,035 95	1,089,839 78		30,196 17
†Expenses, day schools	102,921 92	94,505 43		8,416 49
Salaries, night schools	4,470 00	2,858 35		1,611 65
Expenses, night schools	500 00	147 10		352 90
Probationary teachers, 1899	4,746 60	4,401 00		345 60
†Furnishing Baltimore City College	15,000 00	7,852 31		7,147 69
Totals	$1,259,794 47	$1,209,509 81		$50,284 66
Police Department				
†*Salaries	$831,961 95	$812,360 06		$19,601 89
*Expenses	62,452 75	62,323 95		128 80
New Police Station	25,000 00	22,796 95		2,203 05
Totals	$919,414 70	$897,480 96		$21,933 74
City Poor.				
Repairs Bayview Asylum	$ 2,150 00	$ 2,150 00		
Main. Bayview Asylum and Hospital, expenses	84,000 00	83,071 86		$ 928 14
Main. Bayview Asylum and Hospital, salaries	30,400 00	26,627 39		3,772 61
Transportation of poor	800 00	507 55		292 45
Care of insane	104,400 00	104,387 29		12 71
Charitable institutions	107,750 00	101,615 80		6,134 20
Hospitals (free beds)	60,000 00	59,378 32		621 68
Dispensaries	7,850 00	7,294 67		555 33
Totals	$397,350 00	$385,032 88		$12,317 12

STATEMENT No. 3—Continued.

	Appropriations 1900.	Expenditure 1900.	Balance Dr.	Balance Cr.
Certain Expenses.				
Criminal Court, salaries	$12,000 00	$ 9,875 00		$2,125 00
Criminal Court, expenses	76,275 00	67,382 47		8,892 53
Baltimore City Court, salaries	8,500 00	8,498 30		1 70
Baltimore City Court, expenses	14,118 75	12,970 19		1,148 56
Court of Common Pleas, salaries	8,000 00	7,875 00		125 00
Court of Common Pleas, expenses	13,273 75	8,133 80		5,139 95
Superior Court, salaries	7,420 00	7,420 00		
Superior Court, expenses	12,767 90	9,629 90		3,138 00
Circuit Court, salaries	3,900 00	3,900 00		
Circuit Court, expenses	625 00	276 43		348 57
Orphans' Court, salaries	9,703 00	9,599 00		104 00
Orphans' Court, expenses	100 00	55 25		44 75
*Judgments and suits	11,000 00	10,997 14		2 86
*Coroners	7,483 87	7,483 87		
Removed cases	3,000 00	2,726 75		273 25
*Magistrates' salaries	18,550 00	18,495 51		54 49
Supreme Bench, salaries	4,500 00	4,500 00		
Supreme Bench, expenses	656 00	566 83		89 17
Circuit Court No. 2, salaries	3,900 00	3,900 00		
Circuit Court No. 2, expenses	625 00	178 60		446 40
City jail, salaries	31,180 00	30,972 51		207 49
City jail, expenses	31,000 00	24,793 64		6,206 36
City jail, filing case, ironpipes, etc	1,875 00	1,798 21		76 79
City jail, renewal kitchen furnishings	1,500 00	900 00		600 00
Totals	$281,953 27	$252,928 40		$29,024 87
Interest on stock debt	$1,575,278 95	$1,573,584 31		$1,694 64

Opening Streets.				
Payson street	$8,875 36	$8,875 36		
Baxter street	4,772 79	4,772 79		
Hoffman street	2,014 34	2,014 34		
Northwest street	6,627 59	6,627 59		
Totals	$22,290 08	$22,290 08		
Sinking Funds.				
General	$131,543 28	$128,500 77		$3,042 51
Internal Improvement 1928 Loan	95,992 96	93,766 21		2,226 75
Funding 1936 Loan	31,997 66	31,158 28		839 38
Public Improvement 1940 Loan	63,995 31	62,510 76		1,484 55
Four Million 1945 Loan	15,998 83	15,627 74		371 09
Water 1916 Loan	63,995 31	62,510 74		1,484 57
Water 1922 Loan	15,998 83	15,627 73		371 10
Water 1926 Loan	31,997 66	31,255 42		742 24
Conduit 1922 Loan	31,997 66	28,468 59		3,529 07
Refunding 1940 Loan	52,974 95	51,742 42		1,232 53
Totals	$536,492 45	$521,168 66		$15,323 79
Grand totals	$7,379,819 80	$7,141,449 52		$238,370 28
†Less balances carried forward to the following departments, viz:				
Repairs city property, consolidated			$3,750 00	
Elevator motor, City Hall			1,960 40	
Tower and departmental clocks, City Hall			1,356 93	
Repairs roads, streets, etc.			643 59	
Paving and repaving cross streets			2,763 91	

STATEMENT No. 3—Concluded.

	Appropriations 1900.	Expenditures 1900.	Balance Dr.	Balance Cr.
Improvement and addition to drainage system			$ 1,921 11	
Fire Department (expenses)			5,496 25	
Public schools, day, (expenses)			4,433 04	
Furnishing Baltimore City College			4,885 00	
Police Department salaries, "special fund"			19,601 89	$46,812 12
Net balance				$191,558 16

*See statement of contingent fund.

SUPPLEMENTAL STATEMENTS TO No. 3.

Statement of Contingent Fund.

Account.	Appropriations. 1900.	Expenditures. 1900.	Balance. Dr.	Balance. Cr.
City Hall, salaries	$3,006 98	$3,006 34		$ 64
New Courthouse, salaries	4,512 02	4,418 62		93 40
C. L. Rector	13 55	13 55		
Appeal Tax Court, expenses	143 75	143 75		
Municipal Lighting Commission	500 00	18 30		481 70
Health Department, salaries	2,112 00	2,110 39		1 61
Health Department, Emergency Fund	700 00	699 48		52
Cable, Switchboard, etc., City Hall	700 00	699 81		19
Judgments and Suits	6,000 00	5,997 14		2 86
Removal of Garbage	5,050 00	5,050 00		
Coroners, salaries	483 87	483 87		
State Tax on City Loans	2,253 75	2,253 75		
Inspector of Buildings, salaries	425 00	425 00		
Liquor License Commission, salaries	2,177 52	1,900 00		277 52
Liquor License Commission, expenses	550 00	527 78		22 22
Diary City Council, expenses	3,252 50	2,918 13		334 37
William E. Anderson, paving in 1898	152 26	152 26		
Police Department, salaries	2,041 95			2,041 95
Police Department expenses	1,180 75	1,051 95		128 80
C. E. Cronin, agent, refund liquor license	928 13	928 13		
D. E. Reardon, agent, " "	1,113 75	1,113 75		
H. Rosenheim & Sons, " "	556 87	556 87		
Philip Lobe, " "	185 63	185 63		
F. Sandkupler, " "	187 50	187 50		
Clinton Wright, trustee, " "	375 00	375 00		
Louise Schultz, admin'trix, " "	187 50	187 50		

Bayside Bottling Co., refund liquor license	$ 187 50	$ 187 50		
Wornitz & Co., " "	187 50	187 50		
A. C. Schmidt, " "	371 26	371 26		
Repairs and painting bridges	400 00	395 94		$ 4 06
City Hall, expenses	1,991 36	1,991 36		
City Hall Annex, salaries	1,364 63	1,364 63		
City Hall Annex, expenses	1,221 85	1,221 85		
New Courthouse, expenses	3,257 08	3,257 02		06
Magistrates, salaries	1,050 00	995 51		54 49
City Library, expenses	500 00	498 88		1 12
United Electric Light and Power Co., power for elevator, City Hall, 1899	535 03	535 03		
Totals	$49,856 49	$46,410 98		$3,445 51
Amount of Contingent Fund	$50,000 00			
Appropriations as above	49,856 49			
Balance to credit	$143 51			

STATEMENT OF WATER BOARD.

	Receipts.	Appropriations.	Expenditures.
Jan. 1, 1900, Balance	$ 62,531 75	.....	.....
Received for Water Rents, &c., during year	930,214 30	.....	.....
" " Installing meters during year	10,675 28	.....	.....
Salaries, Registrar's Department	.....	$ 22,800 00	$ 22,559 72
Expenses " "	.....	382,320 00	381,142 17
Salaries, Engineer's "	.....	96,064 76	75,633 70
Expenses " "	.....	585,480 94	294,673 01
Totals	$1,003,421 33	$1,086,665 70	$774,008 60
Excess of receipts over expenditures paid to Commissioners of Finance, December 31, 1900	.....	.....	$229,412 73
Less excess of Appropriations over receipts	.....	$83,244 37	.....
	$1,003,421 33	$1,003,421 33	$1,003,421 33

STATEMENT OF PARK BOARD.

SEPTEMBER 1 TO DECEMBER 31 1900.

Salaries, office	$ 900 00	$ 900 00	$ 900 00
Expenses	500 00	500 00	500 00
Salaries, parks, squares, etc	58,000 00	58,000 00	58,000 00
Expenses " " "	38,238 75	38,238 75	38,238 75
Totals	$97,638 75	$97,638 75	$97,638 75

STATEMENT No. 4.

COMPARATIVE STATEMENT, BASED UPON LEVY, DECEMBER 31, 1900.

	Estimate.	Receipts.	Appropriations.	Expenditures.
Direct.				
Cr.				
Direct tax.....43¾c.	$1 158,827 04	$1,131,865 55	.....	.....
" " arrearages.....	292,039 63	305,136 06	.....	.....
" " annex, arrears and suburban.....	96,790 76	96,693 98	.....	.....
Income from mortgages,.....	17,500 00	18,192 57	.....	.....
Assessment of securities	177,632 73	195,288 96	.....	.....
Interest taxes in arrears.....	17,937 70	50,194 38	.....	.....
Sundry accounts.....	634,512 00	660,799 22	.....	.....
Dr.				
Inspector of Buildings.....	.....	.....	$138,050 25	$134,130 18
Street Cleaning Department.....	.....	.....	384,489 00	382,755 41
Supt. of Lamps and Lighting.....	.....	.....	416,795 28	389,589 73
Harbor Commission.....	.....	.....	64,080 00	60,902 15
Health Department.....	.....	.....	80,362 00	79,642 79
Fire Department.....	.....	.....	484,100 00	457,677 02
City Engineer's Department.....	.....	.....	281,400 00	273,734 51
City Collector's Department.....	.....	.....	53,218 75	52,493 99
Commissioners for Opening Streets.....	.....	.....	7,175 00	7,175 00
Liquor License Commission.....	.....	.....	14,627 52	14,327 78
Supervisors of Election.....	.....	.....	92,786 00	82,373 22
General Expenditures	.....	.....	165,001 27	144,826 07
City Library.....	.....	.....	17,899 64	17,782 57
Superintendent Public Buildings.....	.....	.....	75,093 92	71,682 30
Sundry departments.....	.....	.....	112,167 25	110,361 70
Totals.....	$2,395,239 86	$2,458,170 72	$2,387,245 88	$2,279,454 42

Public Schools.				
Cr.				
School tax ..... 30½c.	$807,867 99	$789,072 00	.....	.....
" " arrearages	195,611 44	209,924 80	.....	.....
State of Maryland.....	255,000 00	265,579 04	.....	.....
Tuition fees.....	3,255 00	3,176 64	.....	.....
Dr.				
City.....	.....	.....	$1,259,794 47	$1,209,509 81
Totals.....	$1,261,734 43	$1,267,752 48	$1,259,794 47	$1,209,509 81
Police Department.				
Cr.				
Police tax..... 27⅞c.	$738,338 36	$721,160 06	.....	.....
" " arrearages.....	179,080 90	173,650 00	.....	.....
Dr.				
City.....	.....	.....	$919,414 70	$897,480 96
Totals.....	$917,419 26	$894,810 06	$919,414 70	$897,480 96
City Poor.				
Cr.				
Poor tax..... 11⅞c.	$314,538 75	$307,220 64	.....	.....
" " arrearages	71,632 35	71,492 11	.....	.....
Bayview Asylum.....	650 00	881 32	.....	.....
Fines.....	5,500 00	9,013 61	.....	.....
Board of Insane Patients.....	2,500 00	7,290 06	.....	.....
Dr.				
Hospitals, dispensaries, etc.....	.....	.....	$397,350 00	$385,032 88
Totals.....	$394,821 10	$395,897 74	$397,350 00	$385,032 88

STATEMENT No. 4—Continued.

	Estimate.	Receipts.	Appropriations.	Expenditures.
Certain Expenses.				
Cr.				
Court tax.....08 1/8c.	$215,210 74	$210,203 58		
" " arrearages.....	53,724 27	50,601 83		
Jail.....	5,555 00	6,808 23		
Dr.				
Sundry courts and jail.....			$281,953 27	$252,928 40
Totals.....	$274,490 01	$267,613 64	$281,953 27	$252,928 40
Interest on Stock Debt.				
Cr.				
Interest tax.....27 7/8c.	$738,338 37	$721,160 06		
Interest tax, arrearages.....	190,101 26	188,107 19		
Commissioners of Finance.....	101,562 50	120,520 83		
Water Board.....	380,000 00	380,000 00		
Park Board.....	43,000 00	35,737 50		
Western Maryland R. R.....	124,110 00	169,422 50		
Dr.				
Interest sundry loans.....			$1,575,278 95	$1,573,584 31
Totals.....	$1,577,112 13	$1,614,948 08	$1,575,278 95	$1,573,584 31
Opening Streets.				
Cr.				
Street tax.....00 3/4c.	$19,865 61	$19,403 41		
" arrearages.....	2,755 09	14,271 78		
Dr.				
Opening sundry streets.....			$22,290 08	$22,290 08
Totals.....	$22,620 70	$33,675 19	$22,290 08	$22,290 08

General Sinking Fund.				
Cr.				
Tax.....03¼	$86,084 28	$84,081 45		
" arrearages	45,459 00	44,419 32		
Dr.				
Sinking fund			$131,543 28	$128,500 77
Totals	$131,543 28	$128,500 77	$131,543 28	$128,500 77
Int. Imp. 1928 Loan Sinking Fund.				
Cr.				
Tax .....03c.	$79,462 42	$77,613 71		
" arrearages	16,530 54	16,152 50		
Dr.				
Sinking fund			$95,992 96	$93,766 21
Totals	$95,992 96	$93,766 21	$95,992 96	$93,766 21
Funding 1936 Loan Sinking Fund.				
Tax .....01c.	$26,487 48	$25,871 21		
" arrearages	5,510 18	5,287 07		
Dr.				
Sinking Fund			$31,997 66	$31,158 28
Totals	$31,997 66	$31,158 28	$31,997 66	$31,158 28
Public Imp. 1940 Loan Sinking Fund.				
Cr.				
Tax .....02c.	$52,974 95	$51,742 43		
" arrearages	11,020 36	10,768 33		
Dr.				
Sinking fund			$63,995 31	$62,510 76
Totals	$63,995 31	$62,510 76	$63,995 31	$62,510 76

STATEMENT No. 4—Continued.

	Estimate.	Receipts.	Appropriations.	Expenditures.
Conduit 1922 Loan Sinking Fund.				
Cr.				
Tax .....01c.	$26,487 48	$25,871 21	.....	.....
" arrearages.....	5,510 18	2,597 38	.....	.....
Dr.				
Sinking fund.....	.....	.....	$31,997 66	$28,468 59
Totals.....	$31,997 66	$28,468 59	$31,997 66	$28,468 59
Four Million 1945 Loan Sinking Fund.				
Cr.				
Tax .....00½c.	$13,243 74	$12,935 62	.....	.....
" arrearages.....	2,755 09	2,692 12	.....	.....
Dr.				
Sinking fund	.....	.....	$15,998 83	$15,627 74
Totals.....	$15,998 83	$15,627 74	$15,998 83	$15,627 74
Water 1916 Loan Sinking Fund.....				
Cr.				
Tax .....02c.	$52,974 95	$51,742 43	.....	.....
" arrearages.....	11,020 36	10,768 31	.....	.....
Dr.				
Sinking fund.....	.....	.....	$63,995 31	$62,510 74
Totals	$63,995 31	$62,510 74	$63,995 31	$62,510 74

Water 1922 Loan Sinking Fund.				
Cr.				
Tax.....0½c.	$13,243 74	$12,935 63		
" arrearages	2,755 09	2,692 10		
Dr.				
Sinking fund			$15,998 83	$15,627 73
Totals	$15,998 83	$15,627 73	$15,998 83	$15,627 73
Water 1926 Loan Sinking Fund.				
Cr.				
Tax.....02c.	$26,487 48	$25,871 21		
" arrearages	5,510 18	5,384 21		
Dr.				
Sinking fund			$31,997 66	$31,255 42
Totals	$31,997 66	$31,255 42	$31,997 66	$31,255 42
Refunding 1940 Loan Sinking Fund.				
Cr.				
Tax.....02c.	$52,974 95	$51,742 42		
Dr.				
Sinking fund			$52,974 95	$51,742 42
Totals	$52,974 95	$51,742 42	$52,974 95	$51,742 42
Grand totals	$7,379,929 94	$7,454,036 57	$7,379,819 80	$7,141,449 52

SUMMARY OF COMPARATIVE STATEMENT BASED UPON LEVY, DECEMBER 31, 1900.

	Receipts.	Expenditures.	Balance. Dr.	Balance. Cr.
Direct tax, etc	$2,458,170 72	$2,279,454 42		$178,716 30
Public school, etc	1,267,752 48	1,209,509 81		58,242 67
Police Department	894,810 06	897,480 96	$2,670 90	
Interest on stock debt, etc	1,614,948 08	1,573,584 31		41,363 77
Certain expenses, etc	267,613 64	252,928 40		14,685 24
City poor, etc	395,897 74	385,032 88		10,864 86
Opening streets	33,675 19	22,290 08		11,385 11
General Sinking Fund	128,500 77	128,500 77		
Water 1916 Loan Sinking Fund	62,510 74	62,510 74		
Water 1922 Loan Sinking Fund	15,627 73	15,627 73		
Water 1926 Loan Sinking Fund	31,255 42	31,255 42		
Int. Imp. 1928 Loan Sinking Fund	93,766 21	93,766 21		
Public Imp. 1940 Loan Sinking Fund	62,510 76	62,510 76		
4 Mill. 1945 Loan Sinking Fund	15,627 74	15,627 74		
Funding 1936 Loan Sinking Fund	31,158 28	31,158 28		
Conduit 1922 Loan Sinking Fund	28,468 59	28,468 59		
Refunding 1940 Loan Sinking Fund	51,742 42	51,742 42		
Totals	$7,454,036 57	$7,141,449 52	$2,670 90	$315,257 95
	7,141,449 52			2,670 90
Surplus	$312,587 05			$312,587 05
Less balances carried forward	46,325 43			46,325 43
Net surplus	$266,261 62			$266,261 62

STATEMENT No. 5.

BALANCE SHEET DECEMBER 31, 1900.

DR.		
City Register, cash on hand	$767,332 12	
Tax sales, property sold unredeemed	5,375 44	
Paving footways	33 97	
Car tickets for city employes	177 50	
Paving streets, balances forward	2,842 88	
Removing dangerous walls, to be refunded	616 33	
CR.		
Dog licenses and fines		$ 12,245 62
Lot and building new truck house, balance		16,236 91
Improvement Harford Run, balance		3,096 89
Private paving and inspection		2,252 74
Paving certificates outstanding		28,277 99
Free text books (white) balance		46,983 75
" (colored) "		13,086 14
Intestates' estates, account public schools		1,384 98
Unclaimed damages for opening streets		117 50
Opening streets, balances forward		13,132 03
Cash balance, Four million loan		196,225 02
" Five "		28,581 88
" Six "		61,629 11
Electrical commission, cash balance of loan		39,136 11
Rents, account street openings		917 83
Sundry departments, balances carried forward to pay contracts made in 1900 and liens on city		27,210 23
Police department, balance sals. to special fund		19,601 89
*Mayor and City Council, surplus		266,261 62
	$776,378 24	$776,378 24

Mayor and City Council.

To bal. from paved streets, account closed	$ 95 70	
" tax sales property erroneously sold	930 62	
" Repairs city property, bal. car. for'd 1901	3,750 00	
" Elevator motor " "	1,960 40	
" Tower and departmental clocks "	1,356 93	
" Repairs roads, streets, etc. "	643 59	
" Paving and repaving cross sts "	2,763 91	
" Imp. and ad. to drainage system "	1,921 11	
" Fire department expenses "	5,496 25	
" Public day schools, " "	4,433 04	
" Furnishing Balto. City College "	4,885 00	
" Police Dept. special fund "	19,601 89	
" Surplus for year 1900	266,261 62	
By actual receipts $7,454,036 57		
Less estimated receipts 7,379,929 94		
		$74,106 63
" Appropriations for 1900 $7,379,819 80		
Less actual payments 7,141,449 52		
		238,370 28
" Balances from opening streets, accounts closed		996 92
" Forfeiture for failure to fulfill contract		500 00
" Grade advertising, fees		16 09
" Excess of estimated receipts over appropriations		110 14
	$314,100 06	$314,100 06

No. 6.—STATEMENT OF FIVE MILLION 1928 INTERNAL

ACCOUNTS.	Authorized Appropriation.	Actual Appropriation.
Opening of Douglas street	$400,000 00	$373,473 46
Widening Fayette street	550,000 00	555,124 59
Widening East Baltimore street	250,000 00	168,220 33
*Constructing sewers	1,750,000 00	1,732,300 00
Completed to December 31, 1899		1,723,764 58
Lee street		8,535 42
School houses and lots	400,000 00	400,000 00
Repaving streets	1,000,000 00	1,000,000 00
Completed to December 31, 1899		997,582 38
Pine street		2,417 62
Improving Patterson Park	200,000 00	200,000 00
Purchasing Park, Southwest Baltimore, Carroll	50,000 00	50,000 00
Building bridges	250,000 00	259,177 96
Completed to December 31, 1899		259,177 96
Building addition to Court House	150,000 00	
Not Available.	$5,000,000 00	
Court House appropriation $150,000 00 Returned to Coms. of Finance 94,003 66	244,003 66	
Totals	$4,755,996 34	$4,738,296 34
Received from Commissioners of Finance	$4,755,996 34	
Total expenditures to date	4,727,414 46	
Balance on hand	$28,581 88	

IMPROVEMENT LOAN TO DECEMBER 31st, 1900.

Expended to Dec. 31, 1899.	Expended in 1900.	Total Expenditures to Date.	Balance Dr.	Balance Cr.
$373,473 46		$373,473 46		
555,124 59		555,124 59		
168,220 33		168,220 33		
1,723,764 58	71 16	1,723,835 74		8,464 26
1,723,764 58	71 16	1,723,764 58 71 16		8,464 26
400,000 00		400,000 00		
997,582 38		997,582 38		
997,582 38		997,582 38		2,417 62
200,000 00		200,000 00		
50,000 00		50,000 00		
259,177 96		259,177 96		
259,177 96		259,177 96		
$4,727,343 30	$71 16	$4,727,414 46		$10,881 88

*Credit to general accounts.
Constructing sewers..... $17,700 00

No. 7.—STATEMENT OF SIX MILLION 1940 PUBLIC

Accounts.	Authorized Appropriation	Actual Appropriation
Court House and Record Building	$1,594,142 48	$1,594,142 48
" " Furnishing	155,857 52	155,857 52
Topographical Survey	125,000 00	125,000 00
*School Houses and Lots	400,000 00	399,312 88
Opening streets	300,000 00	300,000 00
Completed to December 31, 1899	.....	171.599 66
Opening McCulloh Street	.....	79,405 37
Widening Union Dock	.....	48,994 97
Conduits for underground wires	225,000 00	225,000 00
*Building bridges	600,000 00	587,000 78
Paving streets	1,600,000 00	1,600,000 00
*Constructing sewers	1,000,000 00	991,364 72
Completed to December 31, 1899	.....	872,223 98
Stockholm street	.....	40,000 00
Brice alley and Mosher street	.....	45,587 37
Harris Creek	.....	22,816 95
Inlets, Mosher st. sewer, Ord. 132, 1898	.....	800 00
Burgundy alley	.....	2,996 08
Lee street	.....	1,464 58
Eager street, Ordinance 204, 1899	.....	2,173 99
Webster street	.....	1,730 44
Cathedral street	.....	371 33
Inlets, Mosher-st. sewer, Ord. 63, 1900.	.....	1,200 00
Totals	$6,000,000 00	$5,977,678 38
Received from Commrs. of Finance	$6,000,000 00	.....
Total expenditures to date	5,938,370 89	.....
Balance on hand	$61,629 11	.....

IMPROVEMENT LOAN TO DECEMBER 31st, 1900.

Expended to Dec. 31, 1899.	Expended in 1900.	Total Expenditures to date.	Balance Dr.	Balance Cr.
$1,500,000 00	$ 94,142 48	$1,594,142 48	.....	.....
43,372 42	107,399 23	150,771 65	.....	$5,085 87
125,000 00	.....	125,000 00	.....	.....
399,312 88	.....	399,312 88	.....	.....
297,495 85	.....	297,495 85	.....	2,504 15
171,599 66	.....	171,599 66	.....	.....
77,658 01	.....	77,658 01	.....	1,747 36
48,238 18	.....	48,238 18	.....	756 79
225,000 00	.....	225,000 00	.....	.....
587,000 78	.....	587,000 78	.....	.....
1,600,000 00	.....	1,600,000 00	.....	.....
954,525 43	5,121 82	959,647 25	.....	31,717 47
872,223 98	.....	872,223 98	.....	.....
10,025 32	122 98	10,148 30	.....	29,851 70
45,357 55	229 82	45,587 37	.....	.....
22,576 30	240 65	22,816 95	.....	.....
593 62	97 01	690 63	.....	109 37
1,940 56	1,055 52	2,996 08	.....	.....
.....	.....	.....	.....	1,464 58
1,808 10	365 89	2,173 99	.....	.....
.....	1,730 44	1,730 44	.....	.....
.....	371 33	371 33	.....	.....
.....	908 18	908 18	.....	291 82
$5,731,707 36	$206,663 53	$5,938,370 89	.....	$39,307 49

*Credits to General accounts.

School houses and lots.....	687 12
Building bridges	12,999 22
Constructing sewers.....	8,635 28
	$22,321 62

No. 8.—STATEMENT OF FOUR MILLION

Accounts.	Authorized Appropriation.	Actual Appropriation.
New Court House	$1,000,000 00	$1,000,000 00
Public Parks	1,000,000 00	792,588 05
Clifton Park		722,366 30
Carroll Park extension		70,221 75
Enlargement water supply	2,000,000 00	2,000,000 00
Received from Coms. of Finance	$3,792,500 00	
Total expenditures to date	3,596,274 98	
Balance on hand	$196,225 02	

No. 9.—STATEMENT OF CONDUIT 1922

Account.	Authorized Appropriation.	Actual Appropriation.
Electrical Commission	$1,000,000 00	$1,000,000 00
Received from Coms. of Finance	$700,000 00	
Total expenditures to date	660,863 89	
Balance on hand	$39,136 11	

1945 LOAN TO DECEMBER 31st, 1900.

Expended to Dec. 31, 1899.	Expended in 1900.	Total Expenditures to date.	Balance Dr.	Balance Cr.
$759,404 29	$240,595 71	$1,000,000 00	.....	.....
792,588 05	.....	792,588 05	.....	207,411 95
722,366 30	.....	722,366 30	.....	.....
70,221 75	.....	70,221 75	.....	.....
$1,718,489 16	$85,197 77	$1,803,686 93	.....	$196,313 07

LOAN TO DECEMBER 31st, 1900.

Expended to Dec. 31, 1899.	Expended in 1900.	Total Expenditures to date.	Balance Dr.	Balance Cr.
$376,299 62	$284,564 27	$660,863 89	.....	$339,136 11

STATEMENT NO. 10—STREETS OPENED, WIDENED AND CLOSED BY CONDEMNATION.

	Ordinances.		Jan. 1, 1900. Dr. Balance.	Jan. 1, 1900. Cr. Balance.	Expenditures in 1900	Receipts in 1900.	Balance Dr.	Balance Cr.
	No.	Year.						
Alley between Eden and Spring streets	97	1883	$ 28 00				$ 28 00	
Burke street	162	1889		$ 1,939 21	$ 1,399 90	$ 238 00		$ 777 31
Beason stseet	93	1885	141 23				141 23	
*Baxter street	103	1898	87 95		9,757 27	10,046 52		201 30
Bouldin alley	106	1887		650 90	112 33			538 57
Brunt street	100	1894		560 98				560 98
Belt street	60	1900			149 03		149 03	
Castle street	124	1894		2,720 70	870 00	339 00		2,189 70
Chase street	114	1893	316 75				316 75	
Cooksie street	24	1887		75 00				75 00
Collington avenue	4	1896		503 45		15 00		518 45
Clarkson alley	112	1884		993 06	715 87	322 25		599 44
Dallas street	50	1891		333 43				333 43
Dallas street	115	1888	42 80				42 80	
Ducatel street	83	1898	253 86		28 10	2,742 91		2,460 95
Ensor street	44	1892		7,143 82	7,139 06	1,161 00		1,165 76
Etting street	71	1892		48 77				48 77
Florence street	99	1889	497 00				497 00	
Frances street	101	1889	226 00				226 00	
Fairmount avenue	131	1893		656 98	15 00	5 00		646 98
Fulton avenue	105	1892	61 65				61 65	
Grove street	138	1896		263 97	620 00	600 00		243 97

Hoffman street	66	1897		$ 981 49	$2,833 33	$ 2,014 34		$ 162 50
Jefferson street	71	1897			72 15		$ 72 15	
Maryland avenue	167	1896	$ 19 95				19 95	
Morris street	103	1889	494 55				494 55	
Mount street	205	1899	271 45		245 80	1,483 99		966 74
Neighbor street	106	1894	30 25				30 25	
*Northwest street	65	1897		736 89	15,777 13	15,235 59		195 35
Payson street	94	1898		579 27	12,172 91	11,794 94		201 30
Patterson avenue	98	1889		1,417 26				1,417 26
*Payson street	130	1891		1,624 12	1,897 50	568 50		295 12
Porter street	171	1890	159 18				159 18	
*Paca street	23	1887		415 81	300 66	135 00		250 15
Patuxent street	47	1884		1,730 45	1,070 64	474 25		1,134 06
Patapsco street	39	1883		715 14				715 14
Race street	113	1884	462 55				462 55	
Race street	139	1875		946 60				946 60
St. Paul street	68	1897	517 89		17 60	1,569 74		1,034 25
(Seventy Foot street)	133	1893		1,644 29	393 33	133 33		1,384 29
Scott street	61	1900			72 78		72 78	
West Baltimore street	37	1889	61 88				61 88	
Whitelock street	105	1898	998 26				998 26	
Wolfe street	112	1898	31 35				31 35	
"Closing Streets."								
*Fourth lane or street	131	1896		55 00				55 00
Gilmor's lane	146	1896	482 82				482 82	
Mine Bank lane	13	1899			361 16		361 16	
West Falls lane	87	1898	144 33				144 33	

STATEMENT No. 10—Concluded.

	Ordinances. No.	Ordinances. Year.	Jan. 1, 1900, Dr. Balance.	Jan. 1, 1900. Cr. Balance.	Expenditures in 1900	Receipts in 1900.	Balance Dr.	Balance Cr.
"Widening Streets."								
East and Chestnut streets.	95	1891	135 75				$ 135 75	
			$5,465 45	$26,736 59	$56,021 55	$48,879 36	4,989 42	$19,118 37
Credit balance Dec. 31, '99.			21,271 14					
Excess of expenditures over receipts in 1900						7,142 19		
Bredit balance Dec. 31, 1900							14,128 95	
			$26,736 59	$26,736 59	$56,021 55	$56,021 55	$19,118 37	$19,118 37

Balance December 31, 1900		$14,128 95
*Streets completed and balances closed to Mayor and City Council account		996 92
Net balance carried forward to 1901		$13,132 03
Receipts from City Collector, individual benefits.	$25,535 28	
" " " " city's benefits	22,290 08	
" " old material	1,054 00	
	$48,879 36	

STATEMENT No. 11—STREETS PAVED AND PAID BY ASSESSMENT.

	Ordinances. No.	Ordinances. Year.	Jan. 1, 1900. Dr. balance.	Jan. 1, 1900. Cr. balance.	Expenditures in 1900.	Receipts in 1900.	Balance Dr.	Balance Cr.
Bank lane	71	1900			$ 40 47		$ 40 47	
*Collington avenue	80	1897	$195 70			$ 100 00	95 70	
Clifton avenue	19	1900			1,071 76	1,823 84		$752 08
*Eager street	173	1897		$2,512 41	2,512 41			
Eutaw Place	70	1900			52 16		52 16	
Forrest street	126	1898		1,842 04	1,955 48		113 44	
Fulton avenue	76	1898	5,628 10				5,628 10	
*Lovegrove alley	H	D	400 58			400 58		
Monroe street	95	1894	46 38				46 38	
McCulloh alley	H	D	38 24				38 24	
North avenue	123	1896		508 31	25 81			482 50
St. Paul street	50	1900			100 64		100 64	
Thirteenth street	20	1900			544 31	2,486 28		1,941 97
Paving footways			153 04		22 33	141 40	33 97	
			$6,462 04	$4,862 76	$6,325 37	$4,952 10	$6,149 10	$3,176 55
Debit balance Dec. 31, 1899				1,599 28				
Excess of expenditures over receipts in 1900						1,373 27		
Debit balance Dec. 31, 1900								2,972 55
			$6 462 04	$6,462 04	$6,325 37	$6,325 37	$6,149 10	6,149 10

Balance December 31, 1900 ..... $2,972 55
*Work completed and balance closed to Mayor and City Council account 95 70

Net balance carried forward to 1901 ..... $2,876 85
Recepts from City Collector—assessments $4,952 10

STATEMENT No. 12.

GEORGE N. NUMSEN, REGISTER, IN ACCOUNT WITH MAYOR AND CITY COUNCIL OF BATIMORE.

1900.			
Jan. 1	To balance	$ 996,079 28	
Jan. 31	To cash	661,469 35	
Feb. 28	"	666,567 74	
Mar. 31	"	574,705 35	
Apr. 30	"	825,850 31	
May 31	"	3,390,882 65	
June 30	"	600,549 99	
July 31	"	1,297,006 21	
Aug. 31	"	655,963 34	
Sept. 29	"	168,687 78	
Oct. 31	"	303,359 54	
Nov. 30	"	522,039 56	
Dec. 31	"	347,863 40	
Jan. 31	By cash		$1,566,161 04
Feb 28	"		581,088 09
Mar. 31	"		859,302 78
Apr. 30	"		879,876 09
May 31	"		1,153,446 98
June 30	"		1,059,662 24
July 31	"		533,001 93
Aug. 31	"		509,334 19
Sept. 29	"		729,099 04
Oct. 31	"		595,538 77
Nov. 30	"		940,880 13
Dec. 31	"		836,301 10
	Balance		767,332 12
		$11,011,024 50	$11,011,024 50

Statement No. 13.

LOAN CASH ACCOUNTS.

Six Million 1940 Public Improvement Loan.

1900.		
Jan. 1—By receipts from stock to date.....		$6,000,000 00
1900.		
Jan. 1—To expenditures to date.....	$5,731,707 36	
" " during year.....	206,663 53	5,938,370 89
" balance January 1, 1901.....		$61,629 11

Five Million 1928 Internal Improvement Loan.

1900.		
Jan. 1—To balance.....	$28,653 04	
1901.		
Jan. 1—To expenditures during year.....	71 16	
" balance January 1, 1901.....		$28,581 88

Four Million 1945 Loan.

1900.		
Jan. 1—By receipts from stock to date.....		$3,336,000 00
" " " " during year		456,500 00
1900.		
Jan. 1—To expenditures to date.....	$3,270,481 50	
" " during year.....	325,793 48	
" balance January 1, 1901.....	196,225 02	
	$3,792,500 00	$3,792,500 00

Conduit 1922 Loan.

1900.		
Jan. 1—By receipts from stock to date.....		$350,000 00
" " " " during year		350,000 00
1900.		
Jan. 1—To expenditures to date.....	$376,299 62	
" " during year.....	284,564 27	
" balance January 1, 1901.....	39,136 11	
	$700,000 00	$700,000 00

TABLES.

TABLE A.

BELAIR MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$ 575 00	$2,156 00	$2,731 00	$3,044 00
Perm'nt and Eave stalls	2,145 00	517 00	2,662 00	2,361 00
Movable stalls	195 00	57 00	252 00	216 00
Fish stalls	120 00	107 00	227 00	220 00
Street stalls	.....	1,055 00	1,055 00	1,366 00
Per diem	.....	.....	3,105 10	3,036 85
	$3,035 00	$3,892 00	10,032 10	10,243 85
Sale of stalls	.....	62 00	62 00	.....
	$3,035 00	3,954 00	10,094 10	10,243 85

James D. Ross, Asst. Market Master.

CANTON MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$ 25 00	$42 50	$ 67 50	$ 60 00
Perm'nt and Eave stalls	120 00	70 00	190 00	229 00
Fish stalls	5 00	2 00	7 00	14 00
Space stalls	.....	.....	.....	.....
Street stalls	.....	5 00	5 00	5 00
Per diem	.....	.....	172 40	179 69
	$150 00	$119 50	$441 90	$487 69

Daniel W. Cadden, Jr., Asst. Market Master.

CENTRE MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$205 00	$736 00	$941 00	$1,051 00
Perm'nt and Eave stalls	590 00	170 00	760 00	1,134 14
Movable stalls	120 00	147 00	267 00	243 00
Fish stalls	750 00	280 00	1,030 00	928 00
Street stalls	.....	595 00	595 00	682 00
Per diems	.....	.....	1,431 40	1,653 65
	$1,665 00	$1,929 00	$5,024 40	$5,691,79

Kemp Hoen, Asst. Market Master.

CROSS STREET MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$300 00	$516 50	$816 50	$850 00
Perm'nt and Eave stalls	.....	882 50	882 50	875 00
Fish stalls	60 00	60 00	120 00	110 00
Street stalls	.....	577 50	577 50	560 00
Per diem	.....	.....	1,964 90	1,883 00
	$360 00	$2,036 50	$4,361 40	$4,278 00
Sale of stalls	.....	.....	.....	400 00
	$360 00	$2,036 50	$4,361 40	$4,678 00

John Mack, Asst. Market Master.

FELL'S POINT MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$310 00	$1,197 51	$1,507 51	$1,610 00
Perm'nt and Eave stalls	647 00	841 00	1,488 00	1,665 00
Space stalls	707 50	956 50	1,664 00	1,535 00
Movable stalls	225 00	84 00	309 00	241 00
Fish stalls	60 00	48 00	108 00	122 00
Street stalls	.....	554 50	554 50	427 50
Per diem	.....	.....	1,451 94	1,259 00
	$1,949 50	$3,681 51	$7,082 95	$6,859 50

Charles H. Buck, Asst. Market Master.

HANOVER MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899
Butcher stalls	$270 00	$1,051 50	$1,321 50	$1,220 00
Perm'nt and Eave stalls	685 00	335 00	1,020 00	1,010 00
Fish stalls	75 00	42 00	117 00	110 00
Street stalls	.....	500 00	500 00	480 00
Per diem	.....	.....	1,055 50	1,068 50
	$1,030 00	$1,928 50	$4,014 00	$3,888 50

Geo. H. Oppman, Asst. Market Master.

HOLLINS MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$205 00	$492 00	$697 00	$703 00
Perm'nt and Eave stalls	.....	390 00	390 00	433 00
Space stalls	.....	265 00	265 00	275 00
Fish stalls	.....	64 00	64 00	64 00
Street stalls	.....	771 00	771 00	741 00
Per diem	.....	.....	1,453 70	1,438 65
	$205 00	$1,982 00	$3,640 70	$3,654 65

Jos. Rosenthal, Asst. Market Master.

LAFAYETTE MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$245 00	$120 00	$365 00	$335 00
Perm'nt and Eave stalls	750 00	269 00	1,019 00	1,074 00
Space stalls	.....	105 00	105 00	45 00
Street stalls	.....	140 00	140 00	115 00
Per diem	.....	.....	1,127 80	1,213 85
	$995 00	$634 00	$2,756 80	$2,782 85

Edward A. Carey, Asst. Market Master.

LEXINGTON MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$ 545 00	$2,345 00	$2,890 00	$2,665 00
Perm't and Eave stalls.	2,220 00	1,355 00	3,575 00	3,542 00
Movable stalls	240 00	92 00	332 00	343 00
Fruit & vegetable stalls.	255 00	336 00	591 00	619 00
Fish stalls	262 50	105 00	367 50	322 00
Street stalls	.....	3,004 50	3,004 50	2,797 00
Per diems	.....	.....	4,894 35	4,938 60
	$3,522 50	$7,237 50	$15,654 35	$15,227 10

Wm. Dearing, Asst. Market Master.

NORTHEAST MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$90 00	$172 50	$262 50	$285 00
Perm't and Eave stalls	160 00	102 50	262 50	222 00
Space stalls	455 00	262 00	717 00	635 00
Fish stalls	10 00	4 00	14 00	14 00
Street stalls	.....	.....	10 00	10 00
Per diems	.....	.....	810 05	615 60
	$715 00	$541 00	$2,076 05	$1,781 60

Michael Lotz, Asst. Market Master.

RICHMOND MARKET, DECEMBER 31, 1900.

	License.	Rents.	Total, 1900.	Total, 1899.
Butcher stalls	$240 00	$514 00	$754 00	$726 50
Perm't and Eave Stalls	354 50	296 00	650 50	562 50
Aisle stalls	.....	70 00	70 00	80 00
Movable stalls	.....	111 00	111 00	111 00
Fish stalls	100 00	100 00	200 00	200 00
Space stalls	.....	271 50	271 50	275 00
Street stalls	.....	299 00	299 00	307 50
Per diems	.....	.....	1,605 50	1,565 80
	$694 50	$1,661 50	$3,961 50	$3,828 30

John T. Brown, Asst. Market Master.

TABLE A—Continued.

COMPARATIVE STATEMENT OF PER DIEM RECEIPTS FROM VARIOUS MARKETS.

MARKETS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total 1900.	Total 1899.
Belair.....	$225 45	$205 90	$260 00	$239 85	$268 05	$291 05	$266 50	$264 85	$275 00	$267 30	$251 65	$289 50	$3,105 10	$3,036 85
Canton.....	10 50	11 00	13 20	12 90	15 10	17 60	14 10	16 30	18 00	13 90	14 00	15 80	172 40	179 60
Centre.....	61 70	56 70	71 60	138 00	152 10	149 00	115 00	142 80	144 20	143 30	129 10	127 90	1,431 40	1,653 65
Cross st.....	123 95	108 20	128 20	140 45	169 80	200 35	184 50	186 60	192 15	183 80	167 50	179 40	1,964 90	1,883 00
Fells Point..	84 75	80 35	92 45	122 25	133 99	145 70	131 25	130 25	136 35	128 60	125 50	140 50	1,451 94	1,259 00
Hanover.....	73 60	50 30	70 40	88 20	97 80	99 70	94 60	100 30	98 20	95 05	92 75	94 60	1,055 50	1,068 50
Hollins	107 00	74 20	85 80	113 40	140 25	141 25	114 10	142 15	142 75	142 60	124 65	125 55	1,453 70	1,438 65
Lafayette....	82 55	77 65	97 50	81 40	82 65	93 30	87 50	97 20	104 30	100 45	104 20	119 10	1,127 80	1,213 85
Lexington ..	379 70	270 70	405 75	388 10	419 25	445 45	405 00	432 00	437 55	442 10	438 00	430 75	4,894 35	4,938 60
Northeast ...	44 50	37 40	51 30	60 90	75 20	81 55	74 50	78 10	85 00	75 25	70 25	76 10	810 05	615 60
Richmond...	113 85	100 25	119 45	131 40	145 20	143 00	133 30	139 40	142 40	141 55	141 60	154 10	1,605 50	1,565 80
Total.....	$1307 55	$1072 65	$1395 65	$1516 85	$1699 39	$1807 95	$1620 35	$1729 95	$1775 90	$1733 90	$1659 20	$1753 30	$19,072 64	$18,853 10

TABLE A.

COMPARATIVE STATEMENT SHOWING RECEIPTS AND EXPENDITURES OF THE DIFFERENT MARKETS.

	1900.		1899.	
	Dr.	*Cr.*	*Dr.*	*Cr.*
Belair Market	$522 15	$10,094 10	$537 21	$10,243 85
Canton Market	206 54	441 90	247 27	487 60
Centre Market	653 40	5,024 40	711 70	5,691 79
Cross Street Market	318 75	4,361 40	365 60	4,678 00
Fell's Point Market	521 25	7,082 85	577 93	6,859 50
Hanover Market	444 71	4,014 00	469 81	3,888 50
Hollins Market	339 80	3,640 70	371 72	3,654 65
Lafayette Market	273 28	2,756 80	289 83	2,782 85
Lexington Market	642 55	15,654 35	718 53	15,227 10
Northeast Market	325 30	2,076 05	354 25	1,781 60
Richmond Market	419 99	3,961 50	449 26	3,828 30
	$4,667 72	$59,108 15	$5,093 11	$59,123 74
		4,667 72		5,093 11
				$54,030 63
Increase over 1899				409 80
		$54,440 43		$54,440 43

TABLE B.—PUBLIC HALLS.

HOLLINS HALL.

	1900.		1899.	
	Dr.	*Cr.*	*Dr.*	*Cr.*
By rent		$123 00		$96 00
To expense, clean'g, etc	$53 15		$45 40	
Net revenue	69 85		50 60	
	$123 00	$123 00	$96 00	$96 00

CROSS ST. HALL.

	1900.		1899.	
	Dr.	*Cr.*	*Dr.*	*Cr.*
By rent		$356 00		$199 75
To expense, clean'g, etc	$128 25		$109 35	
Net revenue	227 75		90 40	
	$356 00	$356 00	$199 75	$199 75

TABLE B—Concluded.

BROADWAY HALL.

	1900.		1899.	
	Dr.	*Cr.*	*Dr.*	*Cr.*
By rent		$175 00		$233 00
To expense, clean'g, etc	$ 56 25		$158 54	
Net revenue	118 75		74 46	
	$175 00	$175 00	$233 00	$233 00

TABLE C.

RECEIPTS FROM FRANCHISES AND MINOR PRIVILEGES.

Northern Central R. R., Ordinance No. 30, 1900, Siding Switches, per annum	$150 00
A. S. Abell, Ordinance No. 55, 1900, Vault, Beaufort alley	250 00
Thos. O'Neill, Ordinance No. 56, 1900, Smoke-pipe and Duct	200 00
Alex. Shaw, Ordinance No. 57, 1900, Two Bay Windows, east side Cathedral street	750 00
Frederick Bauernschmidt, Ordinance No. 62, 1900, Switch and Siding, Monument street	500 00
Wallace King, Ordinance No. 67, 1900, Tunnel, 112 Fayette street	1,000 00
	$2,850 00

MINOR PRIVILEGES.

Drains	$11,559 34
Areaways	7,708 80
Bow and Bay Windows	2,960 83
Store Fronts	2,029 33
Vaults and Tunnels	2,669 75
Awnings	675 83
Additional Closets	459 50
Sheds	100 00
Remodel Houses	94 25
Storm Doors	381 40
Hoisting Towers	350 00
Coal Chutes	30 00
Barber Poles and Hitching Posts	32 25
Gasoline Tanks	127 50
Hang Banners	140 00
Trees	29 75
Total	$32,198 53

TABLE D

RECEIPTS FROM WHARFAGE FOR THE YEAR ENDING DECEMBER 31, 1900.

1899	1st Dis.	2nd Dis.	3rd Dis.	4th Dis.	5th Dis.	Total.
Jauuary	$48 50	$254 03	$342 40	$669 15	$1,646 25	$2,960 33
February	46 00	196 40	240 93	647 99	1,312 68	2,444 00
March	51 00	171 42	233 47	669 65	1,337 81	2,463 35
April	37 00	229 25	215 56	620 15	1,487 58	2,589 54
May	79 30	354 28	405 78	585 35	1,510 69	2,935 40
June	111 60	264 90	553 96	519 44	1,851 19	3,301 09
July	57 70	451 19	779 40	532 17	1,849 26	3,669 72
August	51 60	505 49	863 45	502 32	1,697 77	3,620 63
September	54 00	512 59	763 56	889 06	1,317 88	3,537 09
October	51 70	430 40	612 72	640 14	1,436 82	3,171 78
November	65 68	220 76	693 71	707 03	1,445 75	3,132 93
December	87 49	223 62	759 17	675 74	1,289 95	3,035 97
1900	$741 57	$3,814 33	$6,464 11	7,658 19	$18,183 63	$36,861 83
1899	$575 50	$3,565 08	5,449 51	7,351 53	$17,724 00	$34,665 62

STATEMENT.

	1900.	1899.
Amount paid to harbor masters	$7,372 33	$6,933 06
" " boatmen, boat hire and repairs	427 53	1,200 00
" " for rent, incidentals, etc	426 10	468 30
Net receipts	28,635 87	26,064 26
	$36,861 83	$34,665 62

Increase over 1899, $2,571 61.

HARBOR MASTERS.

Howard E. Gaither, *Chief*.

ASSISTANTS.

Lewis Ehrman	1st District	Underwood R. Williams	4th District.
Alex. Cutino	2d "	A. H. Sibley	5th "
Chas. Bangs	3d "		

TABLE E.

DOG LICENSES AND FINES.

RECEIPTS.

Amount of balance from 1899		$22,733 42
Received for licenses and renewals		15,542 45
Received for fines		163 00
Received for dogs redeemed		96 55

DISBURSEMENTS.

Amount paid Maryland Society for the Prevention of Cruelty of Animals	$ 6,000 00	
Amount paid for tags	289 80	
Amount released by the Md. Soc. P. C. to A...	20,000 00	
Amount balance	12,245 62	
	$38,535 42	$38,535 42

FINES.

Magistrates.

By Central Station		$365 00
By Western Station		365 00
By Northwestern Station		333 00
By Northeastern Station		466 00
By Southern Station		477 50
By Southwestern Station		357 00
By Eastern Station		408 00
By Northern Station		75 00
By at large		227 00
By Sheriff		6,020 11
To amount remitted by Mayor	$ 80 00	
To net revenue	9,013 61	
	$9,093 61	$9,093 61

Increase over 1899, $1,585 87.

Table F.

SUPERIOR COURT.

Bailiffs		$5,500 00
Stenographer		1,500 00
Janitor		420 00
Clerks fees		2,685 90
Sheriff's fees		462 00
Stenographer for judge at large		400 00
Jurors		6,082 00
		$17,049 90
Unexpended balances		3,138 00
Appropriations { Salaries	$ 7,420 00	
Appropriations { Expense	12,767 90	
		$20,187 90

SUPREME BENCH.

Salaries Judges		$4,500 00
Rent, Raine's, Hall		8 00
Removing bookcase from old courthouse		85
Compiling jury lists, books, etc		371 50
Wardrobe		30 00
Stationery		143 30
Typewriting		14 68
		$5,068 33
Unexpended balance		87 67
Appropriations { Salaries	$4,500 00	
Appropriations { Expenses	656 00	
		$5,156 00

CRIMINAL COURT.

Bailiffs	$ 9,875 00
Grand jurors	7,441 50
Petit jurors	9,591 00
Clerk's fees	16,445 00
Sheriff's fees	15,745 73
Sheriff's expenses—Amos B. Smith, Execution	785 05
State's Attorney	13,477 50
Meals for juries	285 05
Stationery	287 70
Directories	18 00
Expert testimony	275 00
Stenographers	1,149 36
Car fares, witness fees, etc	342 04
Interpreters	50 00

Stenographer to Grand Jury			818 54
Electric fan for Grand Jury room			21 00
Attorneys			650 00
			$77,257 47
Unexpended balance			11,017 53
Appropriations	Salaries	$12,000 00	
	Expenses	76,275 00	
			$88,275 00

COURT OF COMMON PLEAS.

Stenographer			$1,500 00
Bailiffs			5,375 00
Watchman			1,000 00
Jurors			4,920 50
Clerks fees			1,930 75
Habeas corpus			478 10
Stationery			171 95
Stenographer for judge at large			632 50
			$16,008 80
Unexpended balances			5,264 95
Appropriations	Salaries	$ 8,000 00	
	Expenses	13,273 75	
			$ 21,273 75

CIRCUIT COURT.

Bailiffs			$3,000 00
Watchman			900 00
Clerk's fee			216 30
Stationery			60 13
			$4,176 43
Unexpended balance			348 57
Appropriations	Salaries	$3,900 00	
	Expenses	625 00	
			$4,525 00

CIRCUIT COURT NO. 2.

Bailiffs			$3,000 00
Watchman			900 00
Clerk's fees			102 00
Stationery			76 60
			$4,078 60
Unexpended balance			446 40
Appropriations	Salaries	$3,900 00	
	Expenses	625 00	
			$4,525 00

BALTIMORE CITY COURT.

Bailiffs		$8,498 30
Jurors		8,617 00
Habeas corpus		516 15
Stenographers		1,421 96
Clerk's fees		1,560 35
Stationery		248 33
Sheriffs' fees		588 40
City directories		18 00
		$21,468 49
Unexpended balance		1,150 26
Appropriations	Salaries $ 8,500 00	
	Expenses 14,118 75	
		$22,618 75

ORPHANS' COURT.

Judges' salaries		$8,145 00
Bailiffs' salary		1,454 00
Stationery		46 75
Towel service		8 50
		$9,654 25
Unexpedned balance		148 75
Appropriations	Salaries $9,703 00	
	Expenses 100 00	
		$9,803 00

POLICE DEPARTMENT.

Salaries.		
3	Commissioners	$ 7,500 00
1	Secretary	1,999 96
1	Assistant Secretary	1,030 00
3	Police Physicians	3,000 00
1	Marshal	2,500 00
1	Deputy Marshal	2,000 00
1	Clerk to Marshal, 52 weeks, $25.00	1,300 00
8	Captains, 52 weeks, $30.00	12,480 00
1	Captain, 16 weeks, $30.00	480 00
16	Lieutenants, 52 weeks, $25.00	20,800 00
3	Lieutenants, 46 weeks, $25.00	2,300 00
1	Lieutenant, 20 weeks, $23.00	500 00
15	Detectives, 52 weeks, $25.00	17,940 00
2	Detectives, 2 weeks, $23.00	92 00
14	Round Sergeants, 52 weeks, $23.00	16,744 00
2	Round Sergeants, 46 weeks, $23.00	2,116 00
81	Squad Sergeants, 52 weeks, $20.00	84,240 00
9	" " 46 weeks, $20.00	8,280 00
1	" " 44 weeks, $20.00	880 00
3	" " 18 weeks, $20.00	1,080 00
1	" " 14 weeks, $20.00	280 00
1	" " 10 weeks, $20.00	200 00
2	" " 9 weeks, $20.00	360 00

620	Patrolmen, 52 weeks, $18.00	580,320 00	
19	Patrolmen, 2 weeks, $18.00	684 00	
14	Turnkeys, 52 weeks, $18.00	13,104 00	
2	Turnkeys, 46 weeks, $18 00	1,656 00	
7	Station House Clerks, 52 weeks, $18.00	6,552 00	
1	Station House Clerk, 46 weeks, $18.00	828 00	
50	Probation Offices. 52 weeks, $12.00	31,200 00	
1	Superintendent of Matrons	334 29	
14	Matrons, 52 weeks, $10.00	7,280 00	
2	Matrons, 40 weeks, $10 00	800 00	
	Substitute Matrons	641 71	
3	Police Examiners	1,361 30	
1	Secretary	680 65	
		$833,543 91	
	May 9, 1900—By Credit on requisition for unexpended balance on hand, account of salaries	13,068 39	
	Actual amount of requisitions	$820,475 52	
	Dec. 31—By Cash returned, balance on hand, account of salaries	8,115 46	
			$812,360 06

Expenses.

Counsel		$ 1,600 00	
Gas and electric lighting		3,907 25	
Badges, numbers, etc.		32 00	
Ice		224 20	
Fuel		2,288 90	
Stationery and printing		2,291 65	
Advertising		321 27	
Revolvers and ammunition		1,005 37	
Electrical supplies, work, etc.		10,305 94	
Clubs, belts and holsters		249 25	
Station House supplies and cleaning		5,107 72	
Rental of Stables		512 92	
Horses		2,576 00	
Harness and wagons		1,780 70	
Hostlers		3,891 00	
Miscellaneous stable expenses		619 38	
Shoeing of horses		1,558 20	
Feed		5,727 81	
Meals for prisoners and officers—Election Day		534 00	
Incidental expenses at headquarters		3,845 82	
Rental of telephones		1,209 30	
Bicycles and maintenance		478 14	
Repairs to Station Houses		1,470 25	
Police Boat—Repairs	$5,187 59		
Supplies	932 09		
Engineers and firemen.	3,432 00		
Insurance	150 00		
		9,701 68	

Expenses Police Board Examiners, stationery, typewriter, printing, etc.	1,085 20		
	$62,323 95		
New Northern Station	22,796 95		
			$ 85,120 90
Unexpended balances—Salaries	$19,601 89		
New Northern Station	2,203 05		
Expense	128 80		
			21,933 74
Appropriations—Salaries	$831,961 95		
Expenses	62,452 75		
New Police Station	25,000 00		
	$919,414 70		$919,414 70

TABLE H.

ELECTIONS.

	1900.
Judges and Clerks	$5,541 00
Advertising	4,667 42
Printing	953 18
Room rent	3,070 00
Stationery	1,845 75
Erection of and hauling booths	1,676 82
Storage on booths	334 30
Candles, tacks, gas, etc	83 83
Team hire	4 00
Court costs	22 20
	$18,198 50
Unexpended balance	3,690 50
Appropriation	$21,889 00

REGISTRATION.

Judges and clerks	$33,264 00
Clerk hire	143 00
Advertising	3,201 54
Printing and stationery	2,399 60
Court charges, mandamus cases	97 58
Assistance to counsel	150 00
Stamps, postals, etc	20 50
Rent of hall	15 00
Printing and posting registration lists	7,038 98
Rooms for registration	6,145 00
Hauling	7 75
Supplies for registers	100 65
	$52,583 60
Unexpended balance	5,772 40
Appropriation	$58,356 00

TABLE I.

GROUND RENTS ON CITY PROPERTY.

Grammar School No. 2, ground rent		$244 45
" " " 4, "		675 00
" " " 5, "		600 00
" " " 6, "		800 00
" " " 7, "		1,351 00
" " " 8, "		700 00
" " " 10, "		175 00
" " " 11, "		19 00
" " " 12, "		620 62
" " " 13, "		25 00
" " " 15, "		400 00
" " " 16, "		350 00
" " " 17, "		581 25
" " " 18, "		830 66
" " " 21, "		620 00
Primary " " 2, "		237 50
" " " 4, "		270 00
" " " 5, "		600 00
" " " 6, "		112 50
" " " 8, "		221 34
" " " 10, "		200 00
" " " 11, "		757 00
" " " 12, "		268 00
" " " 13, "		530 00
" " " 14, "		840 00
" " " 15, "		700 00
" " " 16, "		790 00
" " " 17, "		217 00
" " " 18, "		315 00
" " " 20, "		592 00
" " " 21, "		384 00
" " " 22, "		177 50
" " " 23, "		112 50
" " " 26, "		126 00
" " " 27, "		274 50
" " " 28, "		270 00
" " " 29, "		570 00
" " " 30, "		750 00
" " " 31, "		228 00
" " " 34, "		385 00
Grammar and Primary School No. 1, ground rent		354 00
" " " " " 3, "		900 00
" " " " " 19, "		1,020 00
Female " " " " " 1, "		1,084 75
English-German " " 1, "		1,297 50
" " " " 2, "		372 50
" " " " 3, "		1,300 00
" " " " 4, "		501 75
" " " " 6, "		480 00
Carried forward		$25,240 32

Amount brought forward		$25,240 32
Annex School No. 7, ground rent		22 50
" " " 8, "		360 00
" " " 10, "		360 00
" " " 11, "		290 00
" " " 18, "		1,155 00
" " " 50, "		50 00
Colored " " 2, "		225 00
" " " 3, "		312 00
" " " 4, "		70 00
" " " 5, "		70 00
" " " 6, "		300 00
" " " 7, "		480 00
" " " 8, "		959 75
		$29,894 57
Colored School No. 9, ground rent		$ 630 00
Western Female High School, ground rent		1,188 00
Eastern " " " " "		615 90
Baltimore City College, " "		4,600 00
" Pylotechnic Institute, " "		220 00
Colored High School, " "		1,500 00
" " and Grammar, " "		600 00
		$39,248 47
Engine House No. 2, ground rent		$62 50
" " 3, " "		150 00
" " 6, " "		62 00
" " 7, " "		156 00
" " 11, " "		123 75
" " 12, " "		150 00
Hook and Ladder No. 1, " "		100 00
Engine House No. 1, Annex, ground rent		61 50
" " 2, " " "		72 00
" " 4, " " "		75 00
" " 6, " " "		40 00
		$40,301 22
Northeast Market, ground rent		$1,200 00
Cross Street Market, " "		974 00
Lexington Market, " "		228 00
		$42,703 22
Central Police Station, ground rent		$120 00
City Hall, " "		56 00
Old City Hall, " "		153 00
Collington Square, " "		960 00
Riverside Park, " "		3,770 62
Perkins Spring Square, " "		2,052 00
Federal Hill Park, " "		37 50
		$49,852 34
Lot on Stiles street, ground rent		$160 00
Belair Market, " "		540 00
Total		$509,552 34
Of this amount the Finance Commissioners received		$21,330 12

TABLE J.

JUDGMENTS AND SUITS.

Ph. Lobe	$2,186	68		
J. Chas. Smithman & Bro., costs	61	00		
B. F. Thomas, costs	11	25		
Arthur Hurley, costs	11	80		
Chas. E. Hulsee, costs	11	80		
John Dorhauser	25	00		
Jas. Pattison	15	85		
Andrew Seifert	400	00		
Copy W. M. R. R. Co. lease	7	30		
Cost Court of Appeals, Chesapeake and Potomac Telephone Co.	2,242	80		
C. Y. Davidson	10	00		
Costs tax judgments	163	95		
Sylvester Bush	50	75		
Madison L. Day	187	82		
Samuel James	10	00		
Costs tax sales	61	00		
J. F. Delby	87	75		
Richard J. Johnson	150	00		
Ejectment notice		90		
Schwind Quarry Co	432	06		
John W. McCay	25	00		
Ida H. Hopkins *et al.*	2,564	20		
Bonds	15	00		
Cary F. Hutchinson	611	00		
Samuel B. Fowler	293	00		
Thomas E. Collins	6	50		
Morris A. Moore	11	80		
Alice G. and Davis Stewart	50	00		
Chas. H. Richards	25	00		
Cath. E. Boyle	80	00		
V. M. Haxall	42	65		
Maggie Sullivan	50	00		
W. T. Bodensick	35	00		
John E. Lanst	25	00		
H. N. Bankard, expert testimony	50	00		
T. J. Caughy, expert testimony	50	00		
Stenographer	175	56		
Printing briefs	51	00		
Transcripts	27	97		
Copies of records	174	15		
Witness fees	10	00		
Witnesses expenses	10	35		
Court costs	320	25		
Magistrates costs	168	60		
Subscription to dockets	70	00		
	$11,069	74		
Unexpended balance	2	86		
By amount from Leimkuhl, costs			$ 5	55
By amount from Gorsuch, damage fire-alarm box			7	50
By amount from J. V. L. Findlay, printing brief paid in error			6	00
By amount from M. L. Davis, costs			53	55
By amount appropriation			5,000	00
By amount appropriation deficiency			6,000	00
	$11,072	60	$11,072	60

TABLE K.

DIARY OF THE CITY COUNCIL, 1900.

To members salaries		$35,000 00
" salaries, employes First Branch		5,800 00
" " " Second "		5,500 00
" T. J. Sheubrook, stationery		3,143 26
" J. W. Bond Company, stationery		122 25
" W. J. C. Dulany Company "		6,444 81
" telephones		363 00
" Guggenheimer, Weil & Co., files		83 56
" ice		30 00
" city directory		6 00
" Jno. M. Travers, indexing Journals		250 00
" postage		185 00
" laundry work, towels, etc		15 00
		$56,942 00
Unexpended balance		334 37
Appropriation, salaries	$46,300 00	
" expenses	7,724 75	
" deficiency	3,252 50	
		$57,277 25

TABLE L.

PARK BOARD.

By balance January 1, 1900		$ 1,262 60
" United Railways and Electric Co		285,410 38
" Deficiency in accounts of Chas. G. Leonard, Treasurer		864 17
" Interest on Park Loan		23 47
" Sale old material, rents, etc., etc		8,686 11
" Fines		348 00
To Expenditure	$296,594 73	
	$296,594 73	$296,594 73

BALTIMORE TRACTION COMPANY.

Three Months previous to 1897.	1898.	1899.	1900.
January	$20,438 26		
April	18,875 50		
July	22,002 96		
*October			
	$61,316 72		

CITY AND SUBURAN RAILWAY COMPANY.

Three Months previous to 1897.	1898.	1899.	1900.
January	$14,021 65		
April	12,480 61		
July	22,002 96		
*October			
	$41,541 89		

BALTIMORE CONSOLIDATED RAILWAY COMPANY.

Three Months previous to 1897.	1898.	1899.	1900.
January	$35,794 18	$36,768 28	
April	31,264 63	32,148 85	
July	36,951 09		
*October	$37,585 90	38,363 36	
	$37,585 90	$142,373 26	$68,917 13

BALTIMORE CITY PASSENGER RAILWAY COMPANY.

Three Months previous to 1897.	1898.	1899.	1900.
January	$22,561 72	$26,118 47	$26,139 15	
April	20,659 30	23,542 73	22,620 91	
July	23,608 96	25,874 21		
October	24,899 85	25,354 80		
	$91,729 83	$100,890 21	$48,760 06	

CENTRAL RAILWAY COMPANY.

Three Months previous to 1897.	1898.	1899.	1900.
January	$3,383 46	$4,275 79	$4,769 94	
April	3,604 52	3,867 53	3,843 26	
July	4,388 59	4,695 22		
October	4,489 56	5,062 82		
	$15,866 13	$17,901 36	$8,613 20	

BALTIMORE AND NORTHERN ELECTRIC RAILWAY.

Three Months previous to 1897.		1898.	1899.	1900.
January	.....	$424 42	$588 52	.....
April	.....	443 88	447 86	.....
July	.....	785 71	.....	.....
October	.....	881 04	.....	.....
	.....	$2,535 05	$1,036 38	.....

UNITED RAILWAYS AND ELECTRIC COMPANY.

Three Months previous to 1897.		1898.	1899.	1900.
January	.....	.....	.....	$69,150 96
April	.....	.....	.....	65,136 73
July	.....	.....	$71,167 39	75,660 41
October	.....	.....	70,133 50	75,462 28
	.....	.....	$41,300 89	$285,410 38
Total receipts for years	$248,040 47	$263,699 88	$268,627 66	$285,410 38

STATEMENT SHOWING MONTHLY RETURNS OF THE INSPECTORS OF STANDARD WEIGHTS AND MEASURES FOR 1900.

Districts.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Northwestern....	* $ 72	*$2 88	$165 25	.....	$339 87	$452 82	$296 44	$152 68	.....	$40 59	$55 74	$15 86	$1522 85
Southwestern ...	* 37	.....	217 31	329 84	189 87	108 87	.....	29 98	24 74	38 99	16 79	14 85	971 61
Southern.....	*17 59	* 9 77	62 35	149 12	292 85	244 11	191 30	128 98	84 30	53 87	28 52	21 18	1283 94
Northeastern.....	.....	.....	259 34	233 77	220 27	294 74	161 58	168 20	175 51	38 16	54 99	71 43	1678 49
Southeastern.....	.....	.....	62 62	158 86	329 60	327 57	74 96	111 63	57 73	37 78	26 39	9 23	1196 37
													$6653 26
Long and dry measure.....	.....	.....	98 10	173 87	177 72	.....	.....	192 68	.....	54 00	.....	.....	696 37

*Amounts collected by City Register Department

H. L. P. Woolf, *Chief Inspector.*
Joseph A. King, *Northwestern District.*
John E. Norton, *Southwestern District.*
William A. Johnson, *Southern District.*
Robert V. Brauer, *Northeastern District,*
T. Frank Herr, *Southeastern District.*
Samuel Morrison, *Long and Dry.*

ANNUAL REPORT

OF THE

CITY ENGINEER

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

Fiscal Year Ending December 31, 1900

BALTIMORE:
WM. J. C. DULANY CO., PUBLIC PRINTERS.

1901.

REPORT.

CITY ENGINEER'S OFFICE,

BALTIMORE, MD., January 1, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN. The annual report of this Department for the year 1900 is respectfully submitted.

The work done by the Department during the year has been mostly routine repairs. Improved payments have been maintained in good condition, and cobble or rubble pavements have been materially bettered. It is needless to say that many of our streets are not what they should be, whereas others are first class. The extremes of good and bad are very clearly shown in the illustrations. The cut showing the old cobble and irregular and badly-set kerb represents very fairly many miles of streets in the older part of the city. The kerb, while not the worst, is the most unsightly feature on these streets. Many hundred feet have been reset where possible, or replaced with better material, during the year.

Experience in this and other cities has shown that sheet asphalt pavements do not give good results in and around markets. The asphalt deteriorates rapidly where horses are permitted to stand. Belair Market in the early spring was in especially bad condition, the asphalt being entirely gone in large patches at many places. At several points the concrete sub-base had given way, leaving deep and actually dangerous holes. As soon as the weather permitted, and material could be gotten on the ground, a force was started and the defective asphalt removed down to the concrete foundation. This concrete was repaired and resurfaced where necessary and vitrified

brick, with sand cushion, laid on top thereof, making a most excellent and durable pavement. The cost of repairing with brick was less than the cost of repairing with asphalt, and it is believed that the brick is far more durable. This same plan has been adopted in several other cases. Details will be found in the report of Mr. O. W. Connet, Assistant City Engineer, who has charge of this branch. Photogravures showing Belair Market with the old asphalt pavement and the new brick pavement are embodied in this report. They are absolutely accurate, and illustrate the conditions so completely as to render further description unnecessary.

The Department was somewhat hampered in the early part of the season in repairing block asphalt pavements, owing to the Maryland Pavement Company refusing to sell the city blocks with which to make repairs unless the company laid said blocks with their own men. After conference with the representatives of the Maryland Pavement Company the whole question was settled amicably and satisfactorily to all concerned. The city may now buy blocks at fair and reasonable prices, laying the same with its own forces or by contract with the Pavement Company, as may be deemed best for the city's interests.

Extensive repairs have been made to the bridges, both wood and iron throughout the city. Floors renewed, where necessary, or patched where patching would serve the purpose. Some of the older bridges were found to be weak in certain parts, and these weak parts were reinforced and the structures left in good and safe condition. The iron bridges owned by the city have received special care. The great enemy of such structures is rust, and trouble from this source is greatly aggravated where bridges span railway tracks. Where locomotives frequently pass under iron bridges it is absolutely essential that the metal be protected at all times with a good coat of paint. In view of these facts, considerabe money was spent in painting these costly structures. Before the paint was applied, all old rust and blistered paint was

carefuly removed with steel scrapers and steel brushes and the fresh paint applied to a clean,sound metal surface. This method added to the expense, but was considered to be as essential as the application of paint; experience having shown that where rust is covered with paint the deleterious action is not stopped, but on the contrary, in some cases aggravated.

An important economy has been effected at Harman's Bridge by filling in the long trestle approach on the north end and the construction of a good macadamized road instead of this wooden structure with its very expensive plank floor. The improvement costs but little more than a new floor would have cost; it is permanent, and its maintenance will amount to almost nothing, a few cart loads of broken stone annually, to fill up holes that may develop from time to time, being the only expense. When we consider that it was necessary to renew the floor once every three years and continual repairs were needed on the sub-structure, the economy becomes most obvious. Another important feature is the entire safety of the solid roadbed as compared with the many dangers always present in any wooden bridge, howsoever carefully inspected and watched.

A large amount of work has been done by the Sewer Division under Assistant City Engineer Newton M. Gray; details of which are fully set forth in his report.

Forty per cent. of the money appropriated for repairs of sewers has been expended in the reconstruction of Central-avenue sewer. This sewer was in dangerous condition and its rebuilding was imperative. The photogravures fully illustrate the situation. By an examination of the illustration showing the old arch it will be seen that the arch is very flat, badly distorted, built without any backing and generally dilapidated. The bottom was the roughest cobble or rubble, which seriously impeded the flow of water. It also caught and held much solid matter carried into the sewer, thereby seriously decreasing its capacity and increasing its foulness' The new sewer has a vitrified brick bottom laid on concrete.

joints well grouted, making the bottom perfectly smooth, reducing resistance to the flow to a minimum. There are, in the new construction, no protuberances where solid matter can find lodgement, thus insuring a full section at all times and a much cleaner sewer.

The new work is first class in every respect, and has been done at a very low figure.

In the matter of additions and improvements, several short laterals have been built to relieve very pressing needs, the most important of these being the Barclay street, Burgundy alley and Calhoun and Mosher streets. The Calhoun street construction was recommended by the City Commissioner in his report of 1899. His recommendations have been carried out, with the addition of a pipe sewer from Calhoun, on Mosher, to Carey. The estimated cost of the original construction was $10,000. The actual cost, plus the Mosher street construction, was $6,085.12.

The following table, showing comparative cost of sewer work done in 1899 and in 1900, may be of interest. The comparisons are made where the conditions are most nearly the same. It must be remembered that the cost per cubic yard for the construction of a small sewer is much greater than the cost of a large one. Hence, Barclay street, a three-foot, six-inch and four-foot sewer, is compared with Harris' Creek, a four-foot sewer; Central avenue, a section of seventy-two and one-quarter square feet area, is compared with Brice alley, a section eighty-six and one-half square feet. Brice alley was new construction, and Central avenue rebuilding. In the latter case, it was necessary to provide for a large daily flow of sewer water, care for the ordinary street traffic, etc., all of which items add to the cost of construction. None of these troubles existed on the Brice-alley work. The Burgundy-alley construction was precisely the same both years. The cost of materials in 1900 was greater than in 1899, and any saving accomplished has been in labor only:

	Brice Alley.	*Central Avanue.*
Masonry, per cubic yard	$ 4 49	$4 70
Brick work, per cubic yard	10 74	7 93

NOTE.—The actual cost of masonry at Central-avenue sewer was only $2.85 per cubic yard, as the old stone was worked over in the new construction. For purposes of comparison the old stone was valued at $1.85 per cubic yard. See Mr. Gray's report.

	Harris' Creek.	*Barclay Street.*
Masonry, per cubic yard	$ 8 12	$ 6 07
Brick work, per cubic yard	13 40	10 48

Burgundy Alley—Cost Per Linear Foot.

Work done in 1899	$3 82
Work done in 1900	2 20

An important and most necessary work has been done in the matter of arching Schroeder's-Run sewer where it passed under houses as an open drain. Concrete arches were used, as they were considered the most desirable and economical. This is the first concrete-arch construction ever used by this city. Concrete construction is much used in New England cities, especially Boston and Providence, giving excellent results at a minimum cost.

There were large numbers of inlets cleaned, repaired, trapped and provided with manholes, and several new ones constructed. The new inlets on Pratt street, between Howard and Light, were most necessary. The sewer in the bed of Pratt street has existed for a long time, but no means were provided to get the storm water into the sewer. The new inlets will accomplish this end, and permit the removal of several cross gutters covered with iron gutter-plates, which is most desirable in all cases.

The repairs of cobble pavements has been well handled by Mr. John S. Patterson, Assistant City Engineer in charge of repairs of streets. His report gives in detail the work done under him. The cost of cobble repairs, resetting kerb and gutter stone is slightly more this year than last, owing to

the fact that materials are higher. A comparative statement in Mr. Patterson's report shows that the materials used in 1900 have cost from 10 per cent to 75 per cent. more than they cost in 1899, whereas the total cost of the repairs was increased less than 9 per cent. There was a large amount of paving done in alleys, and the side gutters changed to centre gutters. This plan increases the first expense, but is fully warranted by the increased benefits from a sanitary standpoint and economy in future maintenance.

Accurate account is kept of the cost per square foot of the work done by each foreman, and his standing or rating is based upon the cost of his work, considering labor only. Those at the head of the list are employed with small forces during the winter on work requiring immediate attention, and will be the first sent out on regular spring work. Men falling below a certain standard will be dropped.

The Chesapeake and Potomac Telephone Company are about completing their subway system. The trenches opened by them for their conduits were opened and filled under the direct supervision of this Department, and the paving replaced by men employed by the city, the whole cost of the work being taken up by the telephone company. The back filling was thoroughly rammed and the repaving done in a careful and workmanlike manner, and the streets restored to as good condition as before they were disturbed.

Various City Commissioners in the past have called attention to the great need of a sanitary sewerage system. Each day this need becomes more pressing; each day the physical obstacles that will be in the way of construction multiply. Our people fully realize the situation, and there appears to be an earnest desire in all quarters for speedy action. Promptness is greatly to be desired, provided we act on proper lines. The Sewerage Commission has done an immense amount of work and collected data of great value, and we should now be able to act intelligently and with the certain assurance of the

best results. That the question be taken up by the Council, a plan determined upon and work started at once, cannot be too strongly urged.

Many improvements are needed in what is known as the Annex. In this section there is practically no drainage other than the natural water courses. This section is building up rapidly and must be provided for.

Little paving has been done, most of the highways being largely "in a state of nature." In the matter of paving, good macadam is all that is needed. An excellent street may be made with No. 2 broken Gneiss, as a sub-base covered with No. 1 Gabbro and binder, well rolled, with gutters on each side constructed with ordinary, hard, red brick bottoms and cobble rebuts. Vitrified brick gutters are better, but add largely to the expense.

The following recommendations were made by the City Commissioner in his report for 1899:

The passage of an ordinance permitting the use of materials for sidewalks other than brick.

An ordinance regulating the load per wheel which may be hauled over our streets and bridges. Loads in excess of loads fixed by ordinance to be moved only by special permit from this Department; the permit to designate the route which may be taken with safety.

An ordinance prohibiting the discharge of hot water, steam, gases, gasoline or other deleterious matter into the sewers.

It is most desirable that these ordinances be passed at once; and attention is again called to these matters, with the hope that something may be done in the near future.

Special commendation is due to the Assistant City Engineers and the subordinate officers, foremen and employes operating under them, for the faithful and efficient services they have rendered during the past year.

The office force now employed is excellent, well organized and doing good work.

Particular attention is called to the reports of the Assistant City Engineers herewith submitted, which contain a large amount of most valuable information.

The unfortunate defalcation of a trusted employe is mentioned with the deepest regret. It is a matter for congratulation, however, that the city lost nothing by the defaulter, the Bonding Company promptly making good his shortage, and further, the guilty man is now in custody awaiting trial.

B. T. FENDALL,
City Engineer.

General Information.

The Total Mileage of Paved Streets in the City of Baltimore, December 31, 1900, is as follows:

Granite blocks	31.3577
Asphalt blocks	9.612
Sheet asphalt	6.923
Vitrified bricks	1.245
Mosaic blocks	0.522
Cobblestones	321,25
Macadam	0.67
Total	371.5797

Area of the City is as follows:

Area of city before annexation	14.709	square miles.
Area of annex	16.939	"
Total, including harbor	31.648	"
Area of harbor	1.507	"
Land area of city	30.141	"

Above Mean Low Tide.

Highest elevation in the city, near Garrison and Oxford avenues, west Arlington	461.0 feet.
Elevation of street pavement, foot of Washington monument	99.3 feet.

Statement of Permits Issued by the Engineer's Department During the Year 1900.

The permits issued during the year 1900 number 2,981, an increase of 537 over that of 1899. Classified they are as follows:

To the Consolidated Gas Co., to lay service pipes	150
" " " to repair service pipes	103
" " " to lay mains	12
" " " to repair mains	73
To the Water Department to open improved streets	43
" Baltimore County Water and Electric Co., to lay service pipes	2
To the Baltimore County Water and Electric Co., to lay mains	1
" " " " " " to repair mains	1
To lay water service pipes	640
" repair water service pipes	417
" erect, replace, change and renew telegraph poles	9
" " " " " telephone "	65
" " " " " electric line and lamp poles	88
" " " " " trolley poles	6
" " " " " guy poles	16
" " " " " awning, barber, and other poles or posts	55
" " " " " police and fire alarm telegraph poles	10
" lay waste water pipes	260
" repair waste water pipes	63
" lay drain pipes	177
" clear and repair drain pipes	243
" reset and straighten kerb	99
" renew kerb	13
" cut kerb	26
" repair and repave footways	24
" construct and repair driveways across footways	58
" plant trees along footways	157
" grade streets	2
" kerb streets	11
" pave streets	2

To grade and pave streets	1
" grade and kerb streets	1
" grade, pave and kerb streets	3
" repair streets	27
" construct and change railway tracks	8
" temporarily obstruct footways and streets	25
" construct tunnels under streets	2
" construct bridge over street	1
" construct, change and repair subway conduits and replace wooden sub-surface boxes with brick manholes	22
" lay, change and repair cables	22
" construct manholes over drain pipes	2
" do blasting	7
" place gasoline tanks under footways	2
" remove gasoline tanks under footways	2
" lay and repair steam, smoke and oil pipes	11
" place tan bark	8
Miscellaneous	11
Total	2,981

COST OF MAINTAINING STREETS PAVED WITH ASPHALT BLOCKS FROM EXPIRATION OF GUARANTEE TO JANUARY 1, 1901.

Streets.	From.	To.	Completed.	Guaranteed years.	Lineal feet.	Area in square yards.	Original cost.	Cost per square yard.	Cost of repairs to 1901.	Cost of repairs per square yd. per year.
Charles street.....	Madison street.....	Chase street.....	1881		1,285	6,862.00	$17,155 00	$2 50	$10,627 89	.0815
Calhoun street.....	Edmondson ave....	Harlem avenue.....	4-13-1883	2 Yrs.	460	1,945.00	4,862 50	"	2,123 90	.085
Eutaw Place.....	Dolphin street.....	North avenue.....	7-26-1883	"	4,640	22,857.00	57,198 50	"	22,883 56	.0673
Cathedral street....	Mt. Vernon Place..	Madison street.....	4-12-1884	"	280	1,191.00	2,977 50	"	3,503 80	.2101
Washington Place	Mt. Vernon Place..	Madison street.....	5-10-1884	"	470	4,303.00	10,757 50	"	26 55	.0004
Mt. Vernon Place..	Washington Pl.....	Cathedral street....	6-11-1884	"	355	1,898.00	4,745 00	"	284 70	.0013
Madison street.....	Washington Pl.....	Eutaw street.....	5- 4-1885	"	1,540	7,056.00	17,640 00	"	1,160 57	.0235
Monument street..	Park avenue.....	Cathedral street....	6- 4-1885	"	581	2,585.00	6,462 50	"	41 52	.....
Fish Market.....	Market Space.....	Jones Falls.....	6-21-1886	"	247	1,617.00	4,042 50	"	160 74	.0082
Streets.....	Around.....	Eastern Market.....	7-22-1886	"	910	3,653.00	9,132 50	"	1,784 99	.0444
Fulton avenue.....	Baltimore street....	Edmondson ave....	8-22-1887	"	2,500	9,269.07	23,174 25	"	43,273 47	.127
Fulton auenue.....	Edmondson ave....	Presstman street...	6- 1-1888	"	2,700	21,688.00	54,170 00	"		
Lafayette avenue.	Eutaw Place.....	Fulton avenue.....	10-23-1892	"	5,990	24,835.75	62,089 38	"	7,437 59	.05
Lexington street...	Pearl street.....	Fulton avenue.....	5-20-1893	"	5,893	25,083.92	62,703 29	"	11,253 32	.0897
Saratoga street.....	Cathedral street..	Fremont avenue....	8- 8-1893	"	3,966	16,152.00	40,380 35	"	43 55	.....
St. Paul street.....	Monument street..	North avenue.....	11- 4-1893	"	6,639	16,120.13	40,300 50	"	820 62	.0102
Lafayette avenue..	Mt. Royal avenue..	Eutaw Place.....	12- 2-1893	"	1,852	8,003.30	20,008 48	"	.....	.....
McCulloh street....	Biddle street.....	Lanvale street.....	6- 1-1894	"	1,778	7,058.57	18,646 43	"	.....	.....
Pearl street.....	Baltimore street....	Saratoga street.....	10- 9-1896	5 Yrs.	1,287	4,510.94	9,518 08	2 11	.....	.....
Mt. Royal avenue..	Lanvale street.....	North avenue.....	10- 9-1896	"	1,626	11,546.74	28,835 94	2 034	.....	.....
McCulloh street....	Eutaw street	Biddle street.....	12-15-1895	"	882	4,070.87	8,233 16	2 02	.....	.....
Patterson avenue..	Fremont avenue....	Fulton avenue.....	11-17-1897	"	2,542	11,264.80	25,345 80	2 25	.....	.....

Moneys Received by the City Engineer's Department During 1900.

There was received in the City Engineer's Department during the year 1900 the sum of eleven thousand nine hundred and thirteen dollars and six cents ($11,913.06), which was duly forwarded to the City Register. This was derived from the following sources:

From sale of old materials	$ 1,214 72
From grade establishments	75 00
From private paving and inspection	10,595 34
From drain pipe fees	28 00
	$11,913 06

Receipts by Months were as follows:

January	$ 984 35
February	468 07
March	1,107 88
April	712 78
May	353 86
June	317 40
July	165 07
August	242 70
September	75 25
October	844 12
November	3,564 51
December	3,077 07
	$11,913 06

The difference in receipts from drain pipe fees in 1900 and in 1899 is owing to the fact that all moneys received from that source since March 1, 1900, were paid dirctly to the Comptroller.

Total receipts in 1900	$11,913 06	
From drain pipe fees	28 00	
All other sources		$11,885 06
Total receipts in 1899	$13,634 03	
From drain pipe fees	4,193 00	$9,441 03
Increase from all other sources, 1900		$ 2,444 03

Financial Statements.

City Council made the following appropriations, provided for in the Tax Levy of 1900.

Appropriations and Expenditures.

Account.	Appropriation.	Expenditures.	Balance.
Repairs of sewers	$ 25,000 00	$25,000 00	.....
Repairs of bridges (including painting)	15,000 00	*15,395 94	$ 4 06
Repairs of roads, streets, etc.	150,000 00	149,356 41	643 59
Paving and repairing cross streets	25,000 00	22,230 09	2,763 91
Flag and stepping-stones	4,000 00	3,993 60	6 40
Livery and transportation	1,000 00	1,000 00	.....
Incidentals	1.000 00	983 25	16 75
Light-street bridge (maintenance)	7,000 00	7,000 00	.....
Advertising	500 00	242 99	257 01
Property yard (maintenauce)	1,000 00	1,000 00	.....
Grade establishments	1,500 00	113 07	1,386 93
Improvements in and additions to drainage system	25,000 00	23,078 89	1,921 11
Salaries	25,000 00	24,334 27	665 73
**Note*—Received $400.00 from contingent fund for repairs of bridges	400 00		
	$281,400 00	$273,734 51	$7,665 49

Appopriations and Expenditures Under Various Loan Accouts.

Account.	Appropriation.	Total Expended.	Expended in Previous Years	Expended in 1900.	Balance Credit.
Harris'-creek Sewer, Ord. 123 of 1898	$24,000 00	$22,816 95	$22,576 30	$ 240 65	$1,183 05
Fifth-lane Sewer, Balance	77 42				77 42
Webster-st. Sewer, Ord. 51 of 1900	1,950 00	1,730 44		1,730 44	219 56
Eager-street Sewer, Ord. 204 of 1899	3,000 00	2,673 99	1,808 10	865 89	326 01
Cathedral-street Sewer, Ord. 52 of 1900	500 00	371 33		371 33	128 67
Brice alley and Mosher-street Sewer, Ord. 20 of 1898	48,000 00	45,587 37	45,357 55	229 82	2,412 63
Inlets to Mosher-street Sewer, Ord. 63 of 1900	1,200 00	908 18		908 18	291 82
Burgundy-alley Sewer, Ord. 140–5 of 1899	3,000 00	2,996 08	1,940 56	1,055 52	3 92
Stockholm-street Sewer, Ord. 166 of 1896	40,000 00	10,148 30	10,025 32	122 98	29,851 70
*Lee-street Sewer, Ord. 197 of 1899	10,000 00	71 16		71 16	9,928 84
Lanvale and Stricker-streets Sewers, Balance	636 37				636 37
Inlets to Mosher-street Sewer, Ord. 132 of 1898	800 00	690 63	593 62	97 01	109 37
Harford-run Improvements, Balance	3,096 89				3,096 89
Beech-avenue Culvert, Res. 77 of 1898	500 00				500 00
McHenry-street Sewer, Ord. 20 of 1891	17,700 00				17,700 00
	$154,460 68	$87,994 43	$82,301 45	$5,692 98	$66,966 25

*Ordinance repealed.

APPROPRIATIONS AND EXPENDITURES UNDER VARIOUS LOAN ACCOUNTS.—Continued.

NOTE.—$1,950 00 for Webster-street sewer was transferred from Constructing Sewers Account, Ord. 51 of 1900.
1,200 00 for inlets to Mosher-st. sewer " " " " " " 63 of 1900.
500 00 for Cathedral-st. sewer was transferred from balance to credit Eager-st. sewer, 52 of 1900.
$1,183 05 to credit of Harris'-Creek sewer, Ord. 123 of 1898, was transferred to constructing Sewers' Account.
77 42 to credit of Fifth-lane sewer, Ord. 206 of 1899, " " " " "
219 53 to credit of Webster-st. sewer, Ord. 51 of 1900, " " " " "
326 01 to credit of Eager-st. sewer, Ord. 204 of 1899, " " " " "
128 67 to credit of Cathedral-st. sewer, Ord. 52 of 1900, " " " " "
2 412 63 to credit of Brice al. and Mosher st. sewer, Ord. 20 of 1898, was transferred to Constructing Sewers Account.
3 92 to credit of Burgundy al. sewer, Ord. 140 of 1899, was transferred to Constructing Sewers Account.
636 37 to credit of Lanvale and Stricker st. sewer, Ord. 164 of 1896, was transferred to Constructing Sewers Account.
500 00 to credit of Beech ave. culvert, Res. 77 of 1898, was transferred to Constructing Sewers Account.
*17,700 00 to credit of McHenry st. sewer, Ord. 20 of 1891, " " " " "

*Five-Million Loan.

REPORT OF TELEPHONE, TELEGRAPH, ELECTRIC LIGHT AND OTHER POLES BELONGING TO THE VARIOUS COMPANIES, AND STANDING IN THE CITY OF BALTIMORE, AS PER REPORTS RECEIVED JANUARY 1, 1901.

United Elecric Light & Power Company	2,979
Chesapeake and Potomac Telephone Company	1,769
Maryland Telephone & Telegraph Company	804
Western Union Telegraph Company	563
Postal Telegraph-Cable Company	244
Baltimore & Ohio Railroad Company	132
American Telephone & Telegraph Company	62
Baltimore & Potomac Railroad Co.	41
Northern Central and Union Railroad Companies	10
American District Telegraph Company	3
Total	6,607

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
291	Westham Granite Co.	Paving.	York street, from Light street to Johnson street.	Mosaic block paving, including gutter-stones; also including grading and removal of old cobble pavement, flag and gutter-stones and 4-inch kerbstones, and all sand and gravel required, $1.50 per sq. yd.; setting 6-inch kerb, straight and curved, and rejointing when necessary, 10c. lin. ft.; old 6-inch kerb, straight and curved, dressed, jointed and reset, 10c. lin. ft.; cobble repaving in cross streets, etc., 2½c. sq. ft.; resetting kerb in cross streets, etc., 10c. lin. ft.....	June 26, 1901.
294	Isaac S. Filbert.	Paving.	Mt. Royal avenue, from Dolphin street to Lanvale street.	Granite block paving, including gutter-stones; also including grading and removal of old cobble pavement, flags, gutter-stones and 4-inch kerbstones, including all sand and gravel required, $2.19 sq. yd.; resetting flags, 10c. sq. ft.; setting 6-inch kerb, straight and curved, and rejointing when necessary, 15c. lin. ft.; cobble repaving in cross streets, including all sand and gravel required, 5c. sq. ft.; resetting kerb in cross streets, including all sand and gravel required, 18c. lin. ft.; hauling kerbstones, 7c. lin. ft.	Sept. 8, 1901.

295	I. S. Filbert.	Paving.	Aliceanna street, from Caroline to Boston sts.	Granite block paving, including gutter-stones; also including grading and removal of old cobble pavement, flag and gutter-stones and 4-inch kerbstones, and including all sand and gravel required, $1.93 sq. yd; 6 inch kerb, straight and curved, 15c. lin. ft; old 6-inch kerb, straight and curved, dressed, etc., 21c. lin. ft.; cobble-stone repaving in cross streets, including all sand and gravel required, 4½c. sq. ft.; resetting kerb in cross streets, including all sand and gravel required, 21c. per lin. ft.; hauling flagstones, cobble and gutter-stones, taken up, 12c. sq. yd.; hauling kerbstones taken up, 6c. per lin. ft.....	Oct. 26, 1901.
296	Southern Asphalt Paving Company.	Paving.	Broadway, from Preston street to North avenue.	Sheet asphalt paving, including grading and removal of old cobble pavement, flagstones, gutter-stones and 4-inch kerbstones, $1.79 sq. yd.; setting 6-inch kerb, straight and curved, and rejointing where necessary, 14c. lin. ft.; old 6-inch kerb, straight and curved, dressed, rejointed and reset, 14c. lin. ft.; cobble repaving in cross streets, including necessary sand and gravel, 4c. per sq. ft.; resetting kerb in cross streets, including necessary sand and gravel, 12c. lin. ft.; hauling cobble-stones, flagstones and gutter-stones taken up, 5c. per sq. yd. in place; hauling kerbstones, 6c. per lin. ft.....	Oct. 26, 1901.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
299	Jones, Pollard & Co.	Paving.	Eutaw Place, west side, from Dolphin street to Bloom street. Guaranteed from Laurens street to Bloom street.	Asphalt block repaving, including necessary grading, preparation of foundation, and removal of old blocks, $1.75 per sq. yd.; repairing with old blocks, including hauling same, preparation of foundation, etc., 50c. sq. yd.; resetting 6-inch kerb where needed, 10c. lin. ft.....	July 21, 1901
300	The Maryland Pavement Company.	Paving.	McCulloh street, from Biddle street to Eutaw street.	Asphalt block paving, $2.02 sq. yd.; excavation, including removal of cobble-stones, kerbstones, etc., 30c. cu. yd.; setting 6-inch kerb, straight and curved, 8c. lin. ft.; old 6-inch kerb, redressed, rejointed and reset, 10c. lin. ft.; cobble repaving in cross streets, 2¼c. sq. ft.; resetting old kerb in cross streets, 6c. lin. ft.; belgian block repaving, 1½c. sq. ft.....	Dec. 29, 1901.
301	Southern Asphalt Paving Company.	Repairing and resurfacing sheet asphalt streets and bridge roadways.		(Area 500 sq. yds. or more). Wearing surface 1½ inches thick, 73c. per sq. yd.; wearing surface 2-inch thick, 91c. sq. yd.; binder, 1½ inches thick, 45c. sq. yd.; concrete base, 6 inches thick, 65c. sq. yd. (Area less than 500 sq. yds.) Wearing surface, 1½ inches thick, 66c. per sq. yd.;	

				wearing surface, 2 inches thick, 87c. sq. yd.; binder, ½-inch thick, 45c. sq. yd.; concrete base, 6 inches thick, 65c. sq. yd.; removal old wearing surface, binder, etc., 19c. sq. yd. (See plats for dates of guarantees expiration in 1901.)	
304	Jones, Pollard & Co.	Paving.	Pearl street, from Baltimore street to Saratoga st.	Asphalt block paving, including grading and removal of old cobble pavement, flags, gutter-stones and 4-inch kerbs and preparation of foundation, $2.11 per sq. yd.; setting 6-inch kerb, straight and curved (furnished by city), 10c. lin. ft.; old 6-inch kerb, straight and curved, redressed, rejointed and reset, 15c. lin. ft.; cobble repaving in cross streets, 4c. sq. ft.; resetting old kerb in cross streets. 8c. lin. ft.....	Oct. 9, 1901.
305	Jones, Pollard & Co.	Paving.	Fulton avenue, from Baltimore street to Presstman street.	Asphalt block paving, including taking up present pavement, assorting blocks, grading, preparation of foundation, etc., $2.1795 per sq. yd.; repairing with old blocks removed from streets, including hauling; also preparation of foundation, hauling discarded blocks. etc., 50c. sq. yd.; repaving Belgian block intersections, 20c. sq. yd.; resetting kerb, 10c. lin. ft.....	Dec. 3, 1901.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
306	Jones, Pollard & Co.	Paving.	Mt. Royal avenue, from Lanvale street to North avenue.	Asphalt block paving, including removal old cobble pavements, flags, gutter-stones, and 4-inch kerb-stones, and including foundation, $2.0643 per sq. yd.; setting 6-inch kerb (furnished by city), 10c. lin. ft.; old 6-inch kerb, straight and curved, redressed, rejointed and reset, 15c. lin. ft.; old flags taken up and hauled to Patapsco and Luzerne streets, 6c. sq. ft.; old 4-inch kerb to be taken up and hauled as above, 7c. lin. ft.; cobble repaving in cross streets, including necessary sand and gravel, 4c. sq. ft.; resetting kerb in cross streets, including sand and gravel, 8c. lin. ft.....	Oct. 26, 1901.
377	The Maryland Pavement Company.	Paving.	Patterson avenue, from Fremont avenue to Fulton avenue.	For asphalt block paving, including grading and taking up of the old cobble stone pavement, flagstones, gutter-stones and 4½-inch kerb-stones, also furnishing concrete base, sand and rolling, as per specifications, $2.25 per sq. yd.; for new 4½-inch kerb, set, 65c. lin. ft.; new 4½-inch kerb circles, set, $1.30 lin. ft.; old 4½-inch kerb and circles,	

				dressed, rejointed and reset, 30c. lin. ft.; new 6-inch kerb, 89c. lin. ft.; new 6-inch circles, $1.47 per lin. ft.; old 6-inch kerb and circles, dressed, jointed and reset, 30c. lin. ft.; resetting kerb and circles, 15c. lin. ft.; new 10-inch gutter-stones, including concrete base, 35c. lin. ft.; cobble-stone repaving in cross streets, 5c. sq. ft.....	Nov. 17, 1902.
406	P. Reddington.	Paving.	Alley, near north side of Falls road.	Grading, 20c. cu. yd.; cobble paving, 8c. sq. ft.; 4½-inch kerb and circles, 50c. lin. ft., flagstone crossings, including blocks, 34c. sq. ft.; repaving cobble pavement, including gutter-stones and all material necessary, etc., 3c. sq. ft.; reset ting kerbs and circles, 7c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Work has not been done.
418	M. F. Leonard.	Paving.	Collington avenue, from McElderry street to Chase street.	Grading, 10c. cu. yd.; cobble paving, 6c. sq. ft.; 5-inch kerbs and circles, 59c. lin. ft.; 4½-inch kerbs and circles, 49c. lin. ft ; flagstones, 32c. sq. ft.; cobble repaving, 3c. sq. ft.; resetting kerbs and circles, 8c. lin. ft.; relaying flags, 4c. sq. ft.....	Feb. 8, 1901.
468	The Maryland Pavement Company.	Repaving.	Grant street, from Baltimore to German streets.	Lump sum of $650.00.....	Aug. 1, 1903.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish	For.	Prices.	Expires, (Including Guaranties.)
471	Southern Asphalt Paving Co.	Paving.	Fulton avenue, Presstman street to Penna. ave.	Sheet asphalt paving, including all necessary grading, a 6-inch concrete base, 1½-inch binder and 2-inch wearing surface, $1.54 per sq. yd.; new 6-inch kerb, including circles, set, 95c. per lin. ft.; new 5-inch kerb, including circles, set, 95c. per lin. ft.; old 6-inch kerb and circles, redressed and reset, 13c. per lin. ft.; old 5-inch kerb, including circles, redressed and reset, 14c. per lin. ft.; old 5 and 6-inch kerb, redressed in place, 13c. per lin. ft.; resetting old kerb in cross streets, 12c. per lin. ft.; 4½-inch headers for sheet asphalt paving, 65c. per lin. ft.; 3-ft. open-stone gutters, $3.40 per lin. ft.; brick gutters and brick paving for sheet asphalt, 27c. per sq. ft.; cobble paving, 6c. per sq. ft.; cobble repaving, 3½c. per sq. ft.; hauling old cobble-stone, unused, per cu. yd. per mile, 35c.; hauling old kerb, unused, per lin. ft. per mile, 7c.; hauling old flagstone, unused, per sq. ft. per mile, 4c.....	Dec. 24. 1903.

472	Southern Asphalt Paving Co.	Paving.	Mt. Royal ave., from Guilford ave. to Cathedral street, sheet asphalt; Cathedral to Dolphin streets, Granite blocks.	For sheet asphalt paving, including all necessary grading, 6-inch concrete base, 1½-inch binder and 2-inch wearing surface, $1.52 per sq. yd.; Belgian block paving, including all necessary grading, 6-inch concrete base and 2-inch of sand, 10-inch gutter-stones and pouring joints with asphalt cement, $2.60 per sq. yd.; new 6-inch kerb, including circles set in place, 70c. per lin. ft.; old 6-inch kerb and circles, redressed and reset, 13c. per lin. ft.; old 6-inch kerb, redressed in place, 13c. per lin. ft.; resetting and rejointing old kerb in cross streets, 12c. per lin. ft.; 4½-inch headers, set, 60c. per lin. ft.; 3-foot open stone gutters, $3.30 per lin. ft.; vitrified brick gutters and paving, 23c. per sq. ft.; cobble paving, 6c. per sq. ft.; cobble repaving, 3c. per sq. ft.; hauling old cobble-stones, unused, per cu. yd. per mile, 30c.; hauling old kerb-stones, unused, per lin. ft. per mile, 6c.; hauling old flagstones, unused, per sq. ft. per mile, 4c.....	Oct. 31, 1903.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, Including Guaranties).
491	J. L. Robertson.	Repaving.	Gay street, from Jones' Falls to Exeter street.	Grading, 40c. per cu. yd.; Belgian block paving, including a bed of sand 6-inch thick, and pouring the joints with paving cement, $1 70 per sq. yd.; new flagstones, set, 30c. per sq. ft.; new 10-inch gutter-stones, set, 25c. per lin. ft.; new 6-inch kerb, 85c. per lin. ft.; new 6-inch kerb-circles, set, $1.70 per lin. ft.; Belgian block repaving, including all necessary grading or filling, a bed of sand 6-inches thick and pouring joints with paving cement, 79c. per sq. yd.; old 6-inch kerb and circles reset, 12c. per lin. ft.; old 6-inch kerb rejointed, 12c. per joint; old 10-inch gutter-stone, reset, 6c. per lin. ft.; old 10-inch gutter-stones rejointed, 10c. per joint; old flagstones relaid, 10c. per sq. ft.; old flagstones rejointed, 10c. per lin. ft. of edge; cobble repaving in cross streets, 4½c. per sq. ft.; resetting kerb in cross streets, 10c. per lin. ft.....	Aug. 31, 1904.

492	John Muller.	Paving.	Lanvale st., from Patterson Park avenue to Cannon street.	Private contract; work guaranteed	Jan. 5, 1901.
494	Patk. Reddington.	Paving.	Forrest street, from Fayette street to Lexington street	For grading, 35c.cu. yd.; new cobblestone pavement, including gutterstones, 7½c. per sq.ft.; 5-inch kerbstones and circles, 60c. per lin. ft.; 4½-inch kerbstones and circles, 50c. per lin. ft.; flagstone crossings, including blocks, 34c. per sq. ft.; repaving cobble pavement, including gutter-stones, 3½c. per sq. ft.; resetting kerbstones and circles, 8c. per lin ft.; relaying flagstone crossings, 6c. per sq. ft.....	June 27, 1902.
502	Jas. Parrell.	Grading and paving.	Two small alleys in Hampden.	Grading, 20c. per cu. yd.; new cobble paving, including gutter-stones, 8c. per sq. ft..	June 12, 1901.
527	M. F. Leonard.	Paving,	Lovegrove alley, from 27th to 28th streets.	Grading, 35c. per cubic yd.; for cobble paving, including gutter-stones, 6c. per sq. ft.; 4½-inch kerbs and circles, 50c. per lin. ft.; flagstone crossings, including blocks, 32c. per sq. ft.; repaving cobble stone pavements, including gutter-stones, and furnishing all materials required, 3½c. per sq. ft.; for resetting kerbs and circles, 10c. per lin. ft.; for relaying flagstone crossings, 5c. per sq. ft.....	June 29, 1901.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties.)
528	John Kuper.	Grading, Paving, etc.	Bush street, from Columbia avenue to Dock.	For grading, 14¾c. cub. yd., cobble-stone paving, including gutter-stones, 6¼c. per sq. ft.; 5-inch kerbstones and circles, 59c. per lin. ft.; 4½-inch kerbstones and circles, 50c. per lin. ft.; flagstone crossings, including blocks, 32c. per sq. ft. repaving cobble-stone pavement, including gutter stones, etc., 2¾c. per sq. ft.; resetting kerbs and circles, 8c. per lin. ft.; relaying flagstone crossings, 6c. per sq. ft.....	Dec. 2, 1901.
530	John Trainor.	Repaving.	Over drains.	Bills for repaving guaranteed.....	June 6, 1903.
531	Hunting & Fulton.	Grade, pave and kerb.	Port street, from Lanvale to Townsend sts.	Private contract. Work guaranteed.	July 3, 1901.
532½	T. F. Locke.	Paving.	Baker street.	Private contract. Work guaranteed.	June 1, 1901.
533	James H. Judick.	Setting kerb.	Cedar avenue.	Private contract. Work guaranteed.	June 28, 1901.
534	John L. Robertson.	Grading, paving, etc.	Eager street, from Chester street to Collington avenue.	For grading, 19c. per cub. yd.; for Belgian block paving, including gutter-stones, and a bed of sand, 12 inches thick, $1.69 per sq. yd.; new flagstones set, 34c. per sq. ft.	June 6, 1905.
535	Henry Erdman.	Repaving.	Over drains.	Bills for repaving guarantee.....	Aug. 8, 1903.

535½	P. Flanigan & Co.	Paving.	Ra lall street, be veen Covington and Bell streets.	Private contract. Work guaranteed..	June 24, .
536	P. Flanigan & Co.	Repaving.	Over drains.	Bills for repaving guaranteed.....	May 22, 1903.
537	Henry Seim & Co.	Repaving.	Over drains.	Bills for repaving guaranteed.....	Aug. 15, 1904.
538	Harry C. Kilmer.	Repaving.	Over drains.	Bills for repaving guaranteed.	Aug. 8, 1903.
540	P. Flanigan.	Paving.	Morton alley, between Madison and Read sts.	Private contract. Work guaranteed..	Sept. 18, 1901.
541	American Tobacco Company.	Repaving.	Over t ches.	Bills for repaving guaranteed.....	Aug. 30, 1903.
542	W. H. Wehn and wife.	To keep in repair.	Paradise court.	Private contract. Work guaranteed..	2 years after paving is completed.
543	D. M. Larkin.	Paving.	Carroll street, between Stockholm and Carey streets.	Private contract. Work guaranteed..	Oct. 27, 1901.
545	Alex. Robinson.	Repaving.	Over drains.	Bills for repaving guaranteed.....	July 31, 1903.
546	C. W. Kraft.	Repaving.	McElderry st., etc.	Bills for repaving guaranteed.....	Sept 26, 1903.
548	Lloyd E. Mitchell.	Repaving.	Over drains.	Bills for repaving guaranteed.....	Oct. 2, 1903.
552	Old Line Real Es-Estate and Trust Company.	Setting kerb.	Maryland ave.	Private contract. Work guaranteed..	Oct. 21, 1901.
553	Robert Kinnear.	Repaving.	Over trenches.	Bills for repaving guaranteed.....	Nov. 1, 1903.
554	Wm. Collett & Co.	Setting kerb.	Walbrook ave.	Private contract. Work guaranteed..	Oct. 6, 1901.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
556	P. Flanigan & Co.	Repaving.	Over drains.	Bills for repaving guaranteed.....	Dec. 11, 1904.
556½	C. W. Kraft.	Setting kerb.	S. side Fayette st.	Private contract. Work guaranteed.	Oct. 24, 1901.
557	W. H. Rothrock.	Repaving.	Over drains.	Bills for repaving guaranted.....	Dec. 20, 1903.
558	A. Weiskittel & Son.	Repaving.	Over drains.	Bills for repaving guaranteed.....	Nov. 10, 1903.
559½	Saml. Posner and W. W. Frederick.	Tunnel.	Clay st.	Special bond of $500 to cover Board of Estimates charges.....	.....
560	Wm. Collett & Co.	Grade and pave.	Walbrook ave., north side, bet. Fulton ave. and Friendsbury pl.	Private contract; work guaranteed..	Dec. 28, 1901.
560½	Maryland Biscuit Co.	Drainpipe.	Charles st.	Special bond of $500 to cover Board of Estimates charges.....	.....
561	Lloyd E. Mitchell.	Repaving.	Over drains.	Bills for repaving guaranted.....	Jan. 23, 1904.
562	L. Irving German.	Paving.	170 ft. on Lanvale st., n. e. from Mt. Royal ave.	Private contract; work guaranteed..	Jan. 27, 1902.
563	Consolidated Gas Co.	Repaving.	General work.	Work to be done by City Engineer, and bills rendered monthly.....	Jan. 1, 1904.

565	Daniel Lowenthal.	Grading.	Eighth st., 253 ft. n. from North ave.	Private contract; work guaranteed..	Feb. 9, 1902.
566	Daniel Lowenthal.	Kerbing.	Eight st. and North ave.	Private contract; work guaranteed.	Mar. 2, 1902.
567	Henry D. Koethe.	Repaving.	Over drains.	Bills for repaving guaranteed.....	Mar. 14, 1904.
569	I. H. Peddicord & Son.	Kerbs and circles.	General purposes.	Kerbstones, 4½ inches, 55c. lin. ft.; Kerb-circles, 4½ inches, $1.10 lin. ft.; kerb-circles, 5 inches, $1 24 lin. ft.....	Dec. 31, 1900.
570	I. H. Peddicord & Son.	Cobblestone.	General purposes.	Cobble-stone delivered in District No. 2, $1.60 per perch of 2,800 pounds.....	Dec. 31 1900.
571	I. H. Peddicord & Son.	Broken stone.	General purposes.	Gneiss Nos. 1 and 2 delivered in District No. 2, $1.49 per cub. yd. of 2,300 pounds; gneiss No. 3, delivered in District No. 2, $1.75 per cub. yd. of 2,200 pounds.....	Dec. 31, 1900.
572	Jas. H. Atkinson.	Cobble-stone,	General purposes.	Cobble-stone delivered in District No. 3, $1.60 per perch of 2,800 pounds.....	Dec. 31, 1900.
573	Jas. H. Atkinson.	Flagstones.	General purposes.	Flagstones, including three rows of blocks, 28c. per sq. ft.....	Dec. 31, 1900.
574	Shreve & Co.	Kerbstones.	General purposes.	Kerbstones, 5-inch, 58c. lin. ft.....	Dec. 31, 1900.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties.)
575	D. M. Larkin.	Paving.	Carey street, between Ward and Carroll streets, and between Carroll & Cleveland streets.	Private contract; work guaranteed..	May 26, 1902.
575½	Walter H. Thorne.	Paving.	Twenty-sixth st., between St. Paul street and Lovegrove alley.	Private contract; work guaranteed.	April 19, 1902.
576	Chas. A. Hook.	Broken stone.	General purposes.	Gabbro, Nos. 1 and 2, delivered in District No. 1, $1.90 per cub. yd. of 2,700 pounds; gabbro, No. 3, delivered in District No. 1, $2.00 per cub. yd. of 2,400 pounds; gabbro, Nos. 1 and 2, delivered in District No. 2, $2.42 per cub. yard of 2,700 pounds; gabbro, No. 3, delivered in District No. 2, $2.52 per cub. yd. of 2,400 pounds.....	Dec. 31, 1900.
578	Daniel A. Leonard.	Broken stone	General purposes	Gabbro, Nos. 1 and 2, delivered in District No. 3, $2.12 per cubic yd. of 2,700 lbs.; gabbro, No. 3, delivered in District No. 3, $2.23 per cub. yd. of 2,400 lbs.; gabbro, Nos.	

				1 and 2, delivered in District No. 4, $2.50 per cub. yd. of 2,700 lbs.; gabbro, No. 3, delivered in District No. 4, $2.59 per cub. yd. of 2,400 lbs.	Dec. 31, 1900.
579	Daniel A. Leonard.	Cobble-stone.	General purposes	Cobble-stone delivered in District No. 5, $1.80 per perch of 2,800 lbs..	Dec. 31, 1900.
580	Daniel A. Leonard.	Broken stone	General purposes	Gneiss, Nos. 1 and 2, delivered in District No. 3, $1.50 per cub. yd. of 2,300 lbs.; gneiss, No. 3, delivered in District No. 3, $1.74 per cub. yd. of 2,200 lbs.	Dec. 31, 1900.
581	Schwind Quarry Co.	Gutter-stones	General purposes	Standard 10-inch gutter-stone, 28c. per lin. ft.; 10-inch hammer-dressed gutter-stones, 18c. per lin. ft	Dec. 31, 1900.
582	Schwind Quarry Co.	Cobble-stones	General purposes	Cobble-stone delivered in District No. 1, $1.55 per perch of 2,800 lbs.; cobble-stone delivered in District No. 4, $1.75 per perch of 2,800 lbs..	Dec. 31, 1900.
583	Schwind Quarry Co.	Broken stone	General purposes	Gneiss, Nos. 1 and 2, delivered in District No. 1, $1.50 per cub yd. of 2,300 lbs.; gneiss, No. 3, delivered in District No. 1, $1.75 per cub. yd. of 2,200 lbs.; gneiss, Nos. 1 and 2, delivered in District No. 4, $1.80 per cub. yd. of 2,300 lbs.; gneiss, No. 3, delivered in District No. 4, $2.05 per cub. yd. of 2,200 lbs.	Dec. 31, 1900.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
584	Alfred J. Ulman and the Central Real Estate and Trust Co.	Paving.	Monroe street, 164 ft. s. from North avenue.	Private contract; work guaranteed	May 12, 1902.
585	Baltimore Brick Co.	Brick.	General purposes	No. 1 paving brick, $11.00 per thousand; No. 2 paving brick, $10.00 per thousand; hand-made sewer brick, $9.00 per thousand; machine-made sewer brick, $7.50 per thousand	Dec. 31, 1900.
586	John Bullock & Son	Cement.	General purposes.	Natural cement, Round Top brand, $1.03 per bbl. and 53c. per bag; Domestic Portland Cement, Toltec brand, $1.98 per bbl.; Foreign Portland Cement, Globe brand, $2.18 per bbl., with refund of 3c. per bbl. and 10c. per bag, returned in good order	Dec. 31, 1900.
587	P. Flanigan & Co.	Sand.	General purposes	Screened sand delivered in Districts Nos. 2 and 5, 73c. per cub. yd.	Dec. 31, 1900.
588	Patrick Keelty.	Sand.	General purposes.	Unscreened sand delivered in Districts Nos. 1 and 2, 52½c. per cub. yd.; unscreened sand delivered in District No. 5, 50c. per cub. yd.	Dec. 31, 1900.

589	M. F. Leonard.	Sand.	General purposes.	Unscreened sand delivered in District No. 3, 60c. per cub. yd.; unscreened sand delivered in District No. 4, 60c. per cub. yd.; screened sand delivered in District No. 1, 80c. per cub. yd.; screened sand delivered in District No. 3, 70c. per cub. yd.; screened sand delivered in District No. 4, 70c. per cub. yd.	Dec. 31, 1900.
590	Thos. Matthews & Son.	Lumber.	General purposes	Virginia pine stock culls, 1x12 inches, 12 to 16 ft., $16.50 per thousand ft.; North Carolina pine stock culls, 1x12 inches, 12 to 16 ft., $16.50 per thousand ft.; white oak, firsts and seconds, all sizes, $40.00 per thousand ft.; white oak, selects, all sizes, $30.00 per thousand ft.	Dec. 31, 1900.
592	Welch, Gloninger & Maxwell.	Brick.	General purposes.	Vitrified paving blocks, 9x3½ inches, car-load lots, f. o. b., Baltimore, $24.50 per thousand; vitrified paving brick, 9x2½ inches, car-load lots, f. o. b., Baltimore, $17.50 per thousand	Dec. 31, 1900.
593	B. Wallis & Co.	Cement.	General purposes.	Germania Foreign Portland Cement, $2.70 per bbl., with refund of 5c. per bbl. returned in good order	Dec. 31, 1900.
594	J. LeRoy White.	Blasting.	North ave, bet. 1st and 2d sts.	Under special provisions	April 26, 1901.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
595	Chas. A. Hook.	Paving.	Clifton avenue, from Ninth street to Eighth street.	Macadam, (gabbro-stone), including grading, 84c. per sq. yd.; vitrified brick gutters, complete, 23c. per sq. ft.; new flagstones, set, 45c. per sq. ft.; extra grading, approaches, 25c. per cub. yd	Two years after acceptance of work
596	Chas. A. Hook.	Paving.	Thirteenth street from North avenue to Clifton avenue.	Macadam (gabbro-stone), including grading, 77c. per sq. yd.; vitrified brick gutters, complete, 23c. per sq.ft.; new flagstones, set, 45c. per sq. ft., extra grading, approaches, 25c. per cub. yd.....	Two years after acceptance of work
597	John F. Carter.	Grading and paving.	Sargeant street, 269 ft., Carey street, 60 ft.	Private contract; work guaranteed	May 9, 1902.
597½	Wm. D. Gill & Son.	Lumber.	General purposes	Georgia pine, Savannah mcht. quality, all sizes, $24.75 per thousand ft.; white pine, No. 1 barn, all sizes, $27.00 per thousand ft.; Virginia pine, mcht. quality, all sizes, $14.00 per thousand ft.; North Carolina pine, mcht. quality, all sizes, $14.00 per thousand ft.	Dec. 31, 1900.
598	F. E. Schneider & Co.	Paving.	Mulberry street, bet. Monroe and Payson streets.	Private contract; work guaranteed	Aug. 2, 1902.

599	George M. Hay.	Sewer pipe.	General purposes	Vitrified terra cotta sewer pipe, single strength, 10-inch, 19½c. lin. ft.; 12-inch, 25½c. lin. ft.; 15-inch, 37½c. lin ft.; 18-inch 51c. lin. ft.; 20-inch 67½c. lin. ft.; 24-inch, 97½c. lin. ft.; 30-inch, $2.47½ lin. ft.; double strength, 15-inch, 43¾c. lin. ft.; 18-inch, 59½c. lin. ft.; 20-inch, 78¾c. lin. ft.; 24-inch, $1.13¾ lin. ft.; 30-inch, 2¼-inch thick, $2.75 lin. ft.; 30-inch, 2½-inch thick, $3.30 lin. ft.	Dec. 31, 1900.
600	Wm. Wirt Clarke & Son.	Sewer brick.	General purposes	Vitrified sewer brick, delivered at Belair lot, car-load lots, $20.00 per thousand; vitrified sewer brick, f. o. b. Baltimore, car-load lots, $17.50 per thousand; vitrified sewer brick, delivered on the work, car-load lots, $20.00 per thousand.....	Dec. 31, 1900.
601	Guilford & Waltersville Granite Co.	Granite paving blocks.	General purposes	$40.00 per thousand.....	Dec. 31, 1900.
603	Clearfield Clay Working Co.	Vitrified paving blocks.	General purposes	Vitrified wire-cut paving blocks, 9x 3¼ inches, carload lots, f. o. b. Baltimore, $19.60 per thousand.....	Dec 31, 1900.
604	P. Flanigan & Co.	Furnaced Cinder.	General purposes	28c. per cubic yard.....	Dec. 31, 1900.
606	Wm. D. Stineman.	Blasting.	Chesapeake street, between 11th and 12th streets.	Under special provisions.....	June 12, 1901.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
607	George L. Plitt.	Blasting.	North avenue, between 7th and 8th streets.	Under special provisions	July 7, 1901.
608	Wallace King.	Tunnel and Bridge.	Goodwin alley.	Special bond of $1,000. Work guaranteed	July 12, 1903.
610	George Knipp & Bro.	Repaving.	Over drains.	Bills for repaving guaranteed	May 22, 1904.
611	Chesapeake Brewing Co.	Repaving.	Over drains.	Bills for repaving guaranteed	July 20, 1904.
612	John A. Graham.	Repaving.	Over drains.	Bills for repaving guaranteed	Aug. 18, 1904.
613	Baltimore & Ohio Railroad Co.	Repaving.	Over drain in Calvert street.	Work guaranteed	Aug. 28, 1903.
615	Maryland Pavement Co.	Paving.	Eutaw place, from North avenue to Whitelock st.	Asphalt-block paving, including grading, 4-inch concrete base, ½-inch mortar bed and asphalt blocks, 3x4x12 in., $2.35 per sq. yd.; old kerb reset, including redressing, where necessary, 20c. per lin. ft.; cobble repaving in cross streets, 27c. per sq. yd.; 4½-inch headers, 60c. per lin. ft.; old flagstones reset, 12½c. per sq. ft.	Five years after acceptance of work.

616	Maryland Pavement Company.	Paving.	Bank lane, from Charles to St. Paul streets.	Asphalt block paving, including foundation and pavement complete, $2.00 per sq. yd.; new 6-inch kerb, including circles set in place, straight kerb, $1.00 per lin. ft. and circles $2.00 per lin. ft.; old 6-inch kerb and circles redressed and reset, 20c. per lin. ft.; old 6-inch kerb and circles redressed in place 10c. per lin. ft.; new 10-inch gutters, 50c per lin. ft.; Belgian block repaving, 3c. per sq. ft.; resetting flagstones, 12½c. per sq. ft.	Five years after acceptance of work
617	Maryland Pavement Company.	Paving.	Bank lane, from Calvert to St. Paul street.	Asphalt block paving, including foundation and pavement complete, $2.00 per sq. yd.; new 6-inch kerb, including circles, set in place, straight kerb, $1.00 per lin. ft., and circles $2.00 per lin. ft.; old 6-inch kerb and circles, redressed and reset, 20c. per lin. ft.; old 6-inch kerb and circles redressed in place, 10c. per lin. ft.; new 10-inch gutters, 50c. per lin. ft.; Belgian block repaving, 3c. per sq. ft.; resetting flagstones, 12½c. per sq ft.	Five years after acceptance of work
618	Robert, Daniel F. and Henry S. Regester.	Setting kerb.	St. Paul and Thirtieth streets.	Private contract; work guaranteed...	Sept. 8, 1902.

CONTRACTS IN FORCE IN THE CITY ENGINEER'S DEPARTMENT, DECEMBER 31, 1900.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties.
619	J. Webb Thomas.	Setting kerb.	Walbrook and Fulton avenues.	Private contract; work guaranteed...	Nov. 3, 1902,
620	Chas. B. Burdette.	Setting kerb.	Payson street, n. of Hollins.	Private contract; work guaranteed...	Nov. 3, 1902.
621	John S. Moke.	Setting kerb.	St. Paul, 30th and 31st streets.	Private contract; work guaranteed.....	Dec. 1, 1902.
622	Chesapeake and Potomac Telephone Co.	Telephone service.	City Engineer's Department, City Hall.	$125.00 and $24.00 per annum.....	Jan. 1, 1901.
623	Chesapeake and Potomac Telephone Co.	Telephone service.	City Engineer's Department, City Yard.	$50.00 per annum.....	Oct. 1, 1901.
624	Baltimore County Water and Electric Co.	Repaving.	Over pipes.	Bills for repaving guaranteed.....	Nov. 28, 1904.
625	St. John's Ind-Methodist Church.	Setting kerb.	St. Paul and 27th streets.	Private contract; work guaranteed.....	Dec. 7, 1902.
627	H. C. Bowman.	Repaving.	Over drains.	Bills for repaving guaranteed.....	Dec. 11, 1904.
628	P. Flanigan & Co.	Sewer.	Hanover street, from Hamburg to Cross streets.	Lump sum of $1,610.00.....	One year after acceptance of work.

REPORT OF

O. W. CONNET, Assistant City Engineer.

1900.

CITY ENGINEER'S OFFICE.

BALTIMORE, January 1, 1901.

MR. B. T. FENDALL,

City Engineer:

DEAR SIR—I submit herewith the annual report of the work done under my direction during the year 1900.

This includes the new street construction, paving done by assessment, paving done by private contracts, supervision of guaranteed street pavements, repairs of brick and asphalt street pavements, repairs of and painting bridges, supervision of Light-street and Block-street drawbridges, repairs to iron-covered gutters, laying flagstones and brick footway crossings, footway pavements, sale of old materials and grade establishments.

The following is a report of each kind of work, with the cost and such details as may be of interest.

NEW COBBLE PAVEMENT.

But one street was paved with cobble-stone, and cost assessed against property owners. This was Forrest street, from Fayette street to Lexington street, under authority of Ordinance No. 126, approved November 26, 1898. The work was begun on May 11 and completed in June, 1900. Patrick Redington, contractor.

Final Estimate.

Grading	1399.7 cubic yards at 35 cents	$ 489 90
4½-inch kerb and circles	1127.2 linear feet at 50 cents	563 60
New flagstones	318.8 square feet at 34 cents	108 39
New cobble paving	14106.6 square feet at 7½ cents	1,057 99
Cobble repaving	1160.1 square feet at 3½ cents	40 60
Resetting kerb	111.5 linear feet at 8 cents	8 92
Resetting flagstones	108.5 square feet at 6 cents	6 51
Total cost		$2,275 91

Of this amount $1,744.55 was charged to paving Forrest street, $227.59 to paving certificates [amount retained for two (2) years], and the balance, $303.77 to paving cross streets.

NEW GRANITE BLOCK PAVING.

Eager street, from Chester street to Collington avenue, was paved with granite blocks, under Ordinance No. 173, approved March 27, 1899. The cost of the work was assessed against the property owners, except for the cross streets.

Work was begun on May 5 and completed on June 6, 1900, and is guaranteed for five (5) years. John L. Robertson, contractor.

Final Estimate.

Grading	722.4 cubic yards at 19 cents..	$ 137 25
Belgian block paving	1242.66 square yards at $1 69..	2,100 09
New flagstones laid	240.0 square feet at 34 cents..	81 60
New 5-inch kerb and circles	559.2 linear feet at 66 cents...	369 07
Old 5-inch kerb and circles set	21.2 linear feet at 11 cents...	2 34
Cobble repaving	12.0 square feet at 4½ cents..	54
Total cost		$2,690 89
Less 10 per cent. retained for five (5) years		269 09
Amount paid June 6		$2,421 80

Of the latter amount $178.48 was charged to "Paving and Repairing Cross streets" and $2,243.32 to paving Eager street. The $269.09 was charged to paving certificates.

PAVING BY ASSESSMENT.

Work in connection with ordinances which have been passed for paving where the cost of the work is to be paid by the property owners has progressed as noted below:

MACADAM.

Clifton avenue, from Eighth to Ninth streets, is being macadamized under authority of Ordinance No. 19, approved January 2, 1900. The macadam consists of five inches of gabbro-stone to pass a 2½-inch ring, and covered with a small amount of sand and then rolled. Upon this foundation is

spread a 3-inch layer of gabbro-stone to pass a 1-inch ring and after it is rolled a small amount of screenings of the same stone added, and the whole surface thoroughly rolled.

The specifications originally called for the gutter being made entirely of vitrified brick, and the property was assessed for this work at the rate of $2.10 per front foot. By a mutual agreement between the contractor and all the property owners, the gutter was changed so as to be four feet wide with three bricks laid lengthwise on edge and the rebuts paved with cobble, on a foundation of six inches of crushed stone and sand. In consideration of this change the contractor agreed to reduce the price by 27 cents per front foot, and this amount has been paid to the property owners.

A preliminary estimate of $904.58 has been paid to the contractor, Charles A. Hook. Of this amount $94.00 is charged to cross streets and $810.58 to paving Clifton avenue. The total amount refunded to the property owners is $234.36.

Thirteenth street, from North avenue to Clifton avenue, is to be macadamized under authority of Ordinance No. 20, approved January 2, 1900. Assessments have been paid and work has begun. The original assessment was at the rate of $2.01 per front foot, but on account of a change in the grade and in the gutter similar to that of Clifton avenue, a rebate was made to the owners at the rate of 40 cents per front foot, making a total rebate of $496.00. The construction is to be the same as on Clifton avenue. Charles A. Hook, contractor.

ASPHALT AND BRICK.

St. Paul street, from Twenty-fifth street to Twenty-ninth street, was to have been paved with sheet asphalt and vitrified brick under Ordinance No. 50, approved April 20, 1900. A contract was let to I. S. Filbert & Co., to do the work, and assessments were made up and sent to the Register. One of the owners took an appeal to the City Court and won his case, the City taking an appeal to the Court of Appeals.

ASPHALT BLOCKS.

Bank lane, from Calvert street to St. Paul street, under Ordinance No. 15, approved December 1, 1899, and from St. Paul street to Charles street, under Ordinance No. 71, approved July 9, 1900, is to be paved with asphalt blocks on cobble-stones relaid as a base. A contract was let to the Maryland Pavement Company, the assessments have been made up and the money collected, and the work will be begun as soon as the weather will permit.

Eutaw Place, from North avenue to Whitelock street is directly to be paved with asphalt blocks on concrete base, under Ordinance No. 70, approved July 7, 1900. A contract was let to the Maryland Pavement Company, assessments made up and sent to the Register from which a number of property owners have taken an appeal to the Baltimore City Court.

GRANITE BLOCKS.

Maryland avenue, from Twenty-fifth street to Twenty-ninth street, is to be paved with granite blocks, under Ordinance No. 73, approved October 17, 1900. Surveys have been made preparatory to letting the contract.

SHEET ASPHALT.

Baltimore street, from Grove street to the eastern city limits, is to be paved with sheet asphalt under authority of Ordinance No. 91, approved December 21, 1900. Surveys and specifications for this work will be taken up at once preparatory to letting a contract for the work.

PAVING, ETC., DONE BY PRIVATE CONTRACTS.

During the year the following work has been done by private contract under the supervision of this office, as provided in Article 48, Section 45, Code of 1893, and guaranteed for two (2) years from date of completion.

The northwest half of Lanvale street, for a distance of 170 feet northeast from Mount Royal avenue, was paved with Clearfield brick under bond No. 562. Work completed January 27, 1900. Inspection $16.50.

The bed of Eighth street, for a distance of about 100 feet, was graded under provision of bond No. 565. Work was done in February, 1900. No inspection.

Kerb was set for a distance of 306 feet on the north side of North avenue, west from Eighth street, and for 98 feet on west side of Eighth street north from North avenue, under bond No. 566. Work completed in March. Inspection $3.63.

Carey street, between Ward and Carroll streets and between Carroll and Cleveland streets, was graded, kerbed with 4½-inch kerb, and paved with Clearfield vitrified brick, under provisions of bond No. 575. Inspection $42.00.

Twenty-sixth street, from St. Paul street to Lovegrove alley, was graded, kerbed and paved with macadam, under bond No. 575½. No inspection.

Monroe street, for a distance of 184 feet south of North avenue, was graded, kerbed with 4½-inch kerb, and paved with Clearfield vitrified brick, under bond No. 584. Work completed May 12, 1900. Inspection $13.50.

Kerb was set on Sargent street, between Carey and Bayard streets (269 lin. ft.), and on east side of Bayard street, 60 feet south from Sargent street. Work was done in May, 1900, under bond No. 597. No inspection.

Mulberry street, from Monroe street to Payson street, was graded, kerbed with 4½-inch kerb, and paved with Clearfield vitrified brick, under bond No. 598. Work completed August 2, 1900. Inspection $36.75.

Kerb was set on south side of Thirtieth street, from St. Paul street to Lovegrove alley, and on St. Paul street south of Thirtieth street, under bond No. 618. Work was done in September, 1900. Inspection $12.00.

Kerb was set on south side of Walbrook avenue for a distance of 80 feet west from Fulton avenue. Work completed by November 3, 1900. Bond No. 619. Inspection $9.75.

Kerb was set for a distance of 206 feet on the east side of Payson street, north from Hollins street, under bond No. 620. Work was completed November 3, 1900. Inspection $12.00.

Under bond No. 621, 406 feet of 6-inch granite kerb was set on the east side of St. Paul street, between Thirtieth and Thirty-first streets, and 136 feet of 4½-inch kerb on the south side of Thirty-first street, east from St. Paul street. Work was completed December 1, 1900. Inspection $12.00.

Under bond No. 625, 113 feet 2 inches of 6-inch granite kerb was set on the west side of St. Paul street, south from Twenty-seventh street, and 193 feet 5 inches on Twenty-seventh street, west from St. Paul street. Work completed December 17. Inspection $13.50.

PAVING PAID FOR BY DEPOSITS.

A small amount of work was done under my direction and paid for by deposits made by private individuals and corporations, as follows:

Work done on asphalt block repairs for Consolidated Gas Company on St. Paul street, north of Monument. Cost of labor and material, $18.16, and for the same company on sheet asphalt streets in front of 222 Camden street and at Baltimore street and Patterson Park avenue. Cost of labor and material, $35.46.

Work for the Maryland Telephone Company, laying a row of flagstones across Lexington street, near Courtland street. Cost of labor, $17.88, material, $34.76.

Work for J. Vernon Campbell, repairs to sheet asphalt on Baltimore street, east of Broadway. Cost of labor and material, $20.00.

Work for John Waters, repairing asphalt block pavement on Grant street, south of Baltimore street. Cost of labor and material, $6.50.

Inspection of asphalt block paving south of Lanvale street, west from Pulaski street. Deposit of $33.00 by Edward Pritchett.

Asphalt block repairs at Eutaw Place and Robert street, and at Lexington and Gilmor streets, for the Chesapeake and Potomac Telephone Company. Cost of labor, $16.60.

Asphalt block repairs on Charles street. Paid by deposit of G. W. Walther & Co., $6.75.

Sheet asphalt repairs at 506 and 508 Forrest street. Paid by deposit of J. A. Graham, $6.82.

Asphalt block repairs at Lafayette avenue and Brunt street. Paid by deposit of P. Mannion, $5.52.

GUARANTEED PAVEMENTS.

All pavements under guarantee have been inspected from time to time, and the contractors notified to make repairs when necessary. In one case when the contractor neglected to do the work ordered in front of No. 350 N. Gay street in the time required by the specifications the work was done by the city, and the cost, $6.63 charged against the retained amount. Paving certificate No. 17.

The most extensive repairs made on guaranteed work was in the asphalt block pavement on the southwest side of Mt. Royal avenue, between Lafayette avenue and Mosher street. A number of small repairs were made to guaranteed sheet asphalt streets.

COBBLESTONE PAVEMENTS.

The following is a list of the cobblestone streets laid in 1898 and the guarantee expired during the past year, and on which ten (10) per cent. retained was paid to the contractor,

with interest for two (2) years at six (6) per cent. as required by law:

Street.	From	To	Paving Certificates.	Interest.
Twenty-First	Guilford ave.	Barclay	$71 49	$ 8 58
Alley bet. 8th and 9th streets	North ave	Northwest	198 81	23 88
Madison	Wolfe	Bradford alley	718 73	86 25
Alley bet. McKim and Hillman sts			14 48	1 74
Castle	Monument	Eager	235 41	28 25
Pulaski	Baltimore	Lexington	361 88	43 42
Payson	Baltimore	Fayette	97 93	11 75
Girard avenue	Guilford	Greenmount	232 84	27 94
Hamburg	Riverside ave	Federal Hill Pk.	123 59	14 83
Henry	Randall	Fort ave	77 91	9 35
Cannon	Oliver	Monument	2,255 11	270 61
Kirby's lane	Franklin	Lanvale	236 26	28 35
Beason	Andre	Stewart	184 54	22 14
Druid Hill avenue	Clendenin	Whitelock	25 79	3 10
Twenty-third	York road	Oak	550 08	66 01
Richardson	Clement	Beason	147 99	17 76
Scott	Stockholm	Ridgely	258 61	31 03
Durham	North ave	Lanvale	203 21	24 39
Carey	Presstman	North ave	207 27	24 87
Andre	Clement	Marriott	377 65	45 32
Calhoun	Presstman	Baker	54 63	6 55
Calhoun	Presstman	Baker	88 90	10 67
Mulberry	Fulton ave	Kirby's lane	48 29	5 79
			$6,771 40	$612 58

Beside the above streets, which were done by contract with the city, is the following list of streets on which paving, etc., was done by private contract and guaranteed for two (2) years, the guarantee expiring in 1900:

Street.	From	To	Bond No.
Stockholm	Ward	Nanticoke	432
Mosher	Monroe	Kirby's lane	425
Riggs ave	Kirby's lane	Monroe	434

Street.	From	To	Bond No.
Fairmount ave	Luzerne	Patapsco	437
Riggs ave	Monroe	Appleton	440
Payson	Lafayette ave	Lanvale	435
Baltimore street and Fairmount ave	Patuxent	Curley	473
Friendsbury Place	Baker	Prestbury	419
Irving Place	North of McHenry		485

COST OF WORK.

Under the various accounts following I have worked out the actual cost per unit of measure of the various kinds of work with such brief notes of the character of work as to give a fair idea of what is included. I have felt the need of this kind of information derived under the actual condition which exist in Baltimore. The "day" fixed by law is eight hours. The minimum rate of wages fixed by law for labor is $1.66⅔ per day. Mechanics, etc., are paid the following rates, viz.:

Foreman, $3.00; paver, $3.00; rammer, $2.00; carter and horse, $2.50; painter, $2.50; carpenter, $2.50; bricklayer, $3.00; stonemason, $3.00.

Some of the information, such as the cost of cleaning and painting of bridges is new, so far as I know, and could not be used for comparison, except under similar circumstances. The cost of repairs to footways is high, because of the small amount of work compared to the large amount of moving about from place to place.

NEW FLAGSTONES.

The appropriation for new flagstone crossings for the past year was $4,000.00. This amount was entirely inadequate to place smooth crossings in place of rough cobble-stone pavement on the line of the sidewalk. The amount appropriated for flagstones in the old portion of the city alone from 1870 to 1899, inclusive, was $279,500.00, or an average of $9,316.67 per year, which is more than the total appropriation for the past three years.

The amount expended from the appropriation was $3,993.60, leaving a balance of $6.40. A total of 9,760.8 square feet of flagstones were laid, and in connection with this work a total of 8,000 square feet of cobble-stone was repaved to make the street paving conform to the grade of the flagstones. The contract price for the stone was twenty-eight cents per square foot, as against eighteen cents for the previous year, so that the cost of the material has greatly increased the cost of the crossings. The average cost of setting the flagstones, including the tearing up of the cobble-stone and hauling them away is 10.5 cents per square foot.

The following table gives the location of the crossings put in during the year. In the cost of labor is included all repaving done in connection with laying the crossings:

Location.	Labor.	Material.	Total.
Lombard and Charles sts	$ 15 50	.....	$ 15 50
Hollins and Fremont aves	24 08	.....	24 08
Fayette st., opp. Courthouse	33 91	.....	33 91
McCulloh and Biddle sts	33 16	$50 35	83 51
North ave and Hope st	25 75	59 62	85 37
St. Paul st., opp. Courthouse	5 67	15 96	21 63
Hoffman and Chester (2 crossings)	32 42	69 33	101 75
North and Garrett aves	25 13	55 58	80 71
Fayette and Milton sts	22 08	58 80	80 88
Orleans and Dallas sts	22 51	51 33	73 84
Howard and Cross sts	26 50	52 33	78 83
Collins st. and Walrad ave	19 87	42 47	62 34
Augusta and Walrad aves	13 25	42 00	55 25
North avenue and Seventh st	28 71	64 40	93 11
Eden and Eager sts., (2 crossings)	44 16	91 62	135 78
Augusta ave. and McHenry st	19 88	50 40	70 28
Falls road and Union ave., (2 crossings)	44 80	77 56	122 36
Falls road and Fourth ave	37 96	68 60	106 59
Bolton st. and Newington ave	29 37	68 60	97 97
Frederick avenue and Maiden Choice la.	24 30	42 00	66 30
Newington and Callow aves., (4 crossi'gs)	103 36	220 81	324 07
Linden ave. and Ducatel st., (3 crossings)	73 28	152 88	226 16

Location.	Labor.	Material.	Total.
Race and Clement sts., (2 crossings)	$52 06	$110 82	$162 88
Bloomingdale ave. and Lanvale st	22 50	53 90	76 40
Bloomingdale and Lafayette aves	17 66	40 00	57 66
Bolton avenue and Wilson st	16 61	54 04	70 65
Race and West sts	24 00	36 68	60 68
Linden ave. and Lanvale st	19 87	51 80	71 67
Bolton ave. and Koenig st., (2 crossings)	33 83	98 00	131 83
Bolton avenue and Reservoir st., (2 crossings)	41 95	122 08	164 03
Bolton ave. and Ducatel st	16 96	55 44	72 40
Lennox st. and Callow ave	29 16	68 88	98 04
Bolton and Callow aves	13 67	48 16	61 83
Preston st. and Park ave	19 47	51 80	71 27
Garrison lane and Lombard st	11 05	14 28	25 33
Montebello ave. and St. Ann ave	8 83	15 68	24 51
Montebello and Cottage aves	8 83	12 04	20 87
Fort ave. and Decatur st	20 29	55 30	75 59
Fort ave. and Haubert st	13 67	33 60	47 27
Nicholson and Hull sts	20 30	54 04	74 34
Beason and Hull sts	17 66	54 04	71 70
Clement and Hull sts	19 87	50 12	69 99
Fort ave. and Clarkson st	14 09	32 90	46 99
Clifton ave. and Fifteenth st	8 83	22 96	31 79
Clifton ave. and Eleventh st.,(2 crossi'gs)	17 66	40 32	57 98
Clifton ave. and Tenth st	13 25	21 50	34 75
North ave. and Tenth st	8 83	17 08	25 91
Northwest and Ninth st	8 83	20 60	29 43
Alley on Twelfth st., bet. North and Walbrook aves	8 83	8 96	17 79
North side of Clifton ave. at Fourteenth street	8 84	24 08	32 92
West side of Twelfth st. at Walbrook ave.	8 84	27 66	36 50
West side Eighth st. at North ave	8 84	10 64	19 48
Mount st., bet. Riggs and Patterson aves.	20 59	1 60	22 19
Northwest and Eighth st		16 58	16 58
Barclay and Twenty-Fourth sts		43 12	43 12
West side of Eleventh st. at Walboook avenue		26 04	26 04
Sharpening tools	3 00		3 00
Total	$1,261 22	$2,729 38	$3,993 60

The material for the first two crossings was purchased in 1899; that for the third was paid for by the owners of the Equitable Building. The material for the last three crossings was delivered, but could not be put in before the close of the year. One double row was put in across Lexington street, from the Home Telephone Company's building at their expense. The crossing on Mount street, between Riggs and Patterson avenues, was made from vitrified brick from the City Yard.

CROSS STREETS.

This fund includes the cost of paving street intersections in connection with work done by assessment and private contracts for paving, the repairs to gutters covered with iron plates, repairs to three-foot open-stone gutters, footway crossings at street intersections, footway and repairs in street intersections, and repairs to street pavement in the intersection of two streets or alleys. Under the sub-heads is given the work done under my direction and charged to this account.

PAVING INTERSECTIONS.

Carey and Carroll streets at their intersection was graded, kerbed, and paved with Clearfield vitrified brick on cinders and sand foundation. The work was done by day labor after the property-owners had paved Carey street on both sides of Carroll, and Carroll street east from Carey. The area paved was 406.5 square yards. The cost of the labor and material was as follows:

Items.	Cost.	Cost Per Sq. Yd.
18,931 Clearfield brick, 8.5x3.25x4 inches, f. o. b. Baltimore, at $19.60 per thousand	$371 05	$0.9128
12 cu. yds. cinders, at 28 cents	3 36	0.0909
42 " sand, at 80 cents	33 60	
Labor, hauling brick from cars, including $20.00 for transfer of car	50 05	0.1231
Labor, grading and laying brick	152 29	0.3746
Kerb and circles	64 16	.....
Labor, setting kerb	24 42	.....
	$698 93	$1.5014

The labor on this was more per square yard than it would have been on a larger job.

REPAIRS TO IRON-COVERED GUTTERS.

On account of the very large number of iron gutter-plates in the city, and the large number of repairs necessary to keep them safe, I am having them measured and plotted in a book as a permanent record. The work is being done at odd times and is only about three-quarters completed, but from the data completed I find that there are about 6,600 plates, with an estimated area of 125,000 square feet, and from the annual reports of the City Commissioner I find that the city has spent over $150,000 in constructing these gutters. In a few cases these gutters cross streets in which there are sewers, and in others there is enough iron to pay nearly the whole expense of such construction as would do away with them entirely. In addition to this, the annual cost of maintenance is about $1,600.00, which at 4 per cent. is the interest on $40,000.00, which could be expended to make other construction which would do away with the plates. Repairs were made at 131 street crossings during the year. Almost all this was on account of the sills which had to be renewed. The following list gives the location and cost of labor and material. Where no material is given it was purchased in 1899, as reported last, or taken from the City Yard. Where only material is given it is for places where work could not be done in time to be included in the appropriation for 1900. The total amount spent on these repairs during the past year is $1,411.09, all of which was charged to "Paving and Repairs of Cross Streets."

Streets.	Labor.	Material.	Total.
Charles and Conway sts	$ 9 51	.....	$ 9 51
Cross and Warner sts	18 50	$ 6 11	24 61
Charles and Barre sts	37 98	.....	37 98
Granby and High sts	2 92	52	3 44
Hanover and Lee sts	4 75	.....	4 75
Charles and Camden sts	10 21	4 66	14 87
Hanover and Conway sts	10 59	4 95	15 54
Lombard and Exeter sts	2 92	59	3 51
Calvert and Lexington sts	3 00	.....	3 00
Pratt and Sharp sts	16 02	4 76	20 78
Hanover and Barre sts	16 00	11 96	27 96
Caroline and Aliceanna sts	12 00	3 24	15 24
Fayette and Harrison sts	1 25	.....	1 25
Eutaw and Lee sts	17 50	9 90	27 40
Eutaw and Camden sts	10 21	6 14	16 35
Eutaw and Barre sts	11 67	10 30	21 97
Columbia ave. and Paca st	1 46	1 19	2 65
Eutaw and Pratt sts	7 29	4 75	12 04
Eutaw and Lombard sts	10 21	4 75	14 96
Paca and Lombard sts	5 83	3 96	9 79
Eutaw and Franklin sts	2 91	1 58	4 49
Howard and Franklin sts	8 75	3 96	12 71
Frederick and Lombard sts	5 84	2 08	7 92
Gay and Lombard sts	5 83	1 91	7 74
St. Paul and Center sts	5 83	4 85	10 58
Harrison and Lexington sts	20 42	14 23	34 65
Pratt and Caroline sts	5 84	4 55	10 39
Lombard and Caroline sts	5 83	4 16	9 99
Eastern ave. and Caroline st., (one new plate)	5 83	21 58	27 41
Orleans and Caroline sts	5 83	2 97	8 80
Bond and Orleans sts	8 74	5 15	13 89
Lancaster and Caroline sts	11 67	7 43	19 10
Pratt and Eden sts	2 92	1 39	4 31
Bond and Thames sts	7 08	2 55	9 63
High and Lombard sts	2 92	1 78	4 70
Sharp and German sts	5 83	2 38	8 21
Hanover and Pratt sts	2 93	1 04	3 97
North and Pleasant sts	17 49	10 32	27 81
Liberty and Lexington sts	6 57	2 28	8 85

Streets.	Labor.	Material.	Total.
Calvert and Bath sts	$2 92	$3 76	$6 68
Preston st. and Guilford ave	23 32	14 26	37 58
Greenmount ave. and Preston st	2 92	64	3 56
Lanvale st. and Harford ave	11 66	4 75	16 41
North and Harford aves	8 75	8 71	17 46
Exeter and Fawn sts	5 83	1 58	7 41
High and Fawn sts	5 83	1 39	7 22
Exeter and Trinity sts	5 83	1 31	7 14
North ave. and John st	11 67	4 21	15 88
North and Madison aves	17 49	21 73	39 22
Ann st. and Canton ave	5 83	59	6 42
Ann and Lancaster sts	5 83	1 58	7 41
Elliott and Chesapeake sts	5 85	1 49	7 34
Aliceanna and Washington sts	5 84	5 20	11 04
Gough and Chester sts	5 83	1 39	7 22
Madison ave. and McMechen st	14 58	7 62	22 20
Madison and Biddle sts	8 75	4 75	13 50
Fayette and Wolfe sts	2 91	1 78	4 69
Fairmount ave. and Wolfe st	2 92	1 06	3 98
Baltimore and Ann sts	5 83	79	6 62
Pratt and Ann sts	5 83	1 26	7 09
Patterson Park ave. and Orleans st.	2 92	1 66	4 58
Monument and Chester sts	5 83	69	6 52
Jefferson and Chester sts	.....	1 71	1 71
Biddle and Washington sts	8 75	3 00	11 75
Gay and Exeter sts	2 21	.....	2 21
Argyle ave. and Mosher st	7 92	3 56	11 48
Pennsylvania ave. and Mosher st	6 25	1 19	7 44
Lafayette ave. and Gilmor st	5 83	5 15	10 98
Fayette and Fremont sts	5 83	2 13	7 96
Baltimore and Fremont sts	10 22	5 74	15 96
Fremont and Saratoga sts	1 46	22	1 68
Franklin st. and Carrollton ave	5 83	2 03	7 86
Water st. and Marsh-market sp	26 25	8 71	34 96
Saratoga and Courtland sts	5 83	94	6 77
Essex and Windsor sts	11 66	5 12	16 78
Baltimore and Greene sts	5 83	99	6 82
Charles and Center sts	4 38	35	4 73
Gilmor and Franklin sts	5 63	3 05	8 68

Streets.	Labor.	Material.	Total.
Gilmor and Fayette sts	.....	$ 45	$ 45
Gilmor and Lexington sts	$11 05	2 35	13 40
Gilmor and Saratoga sts	5 83	2 97	8 80
Fayette and Calhoun sts	4 38	99	5 37
Fayette and Carey sts	4 38	1 19	5 57
Fayette and Schroeder sts	14 58	3 56	18 14
Pratt and Fulton sts	5 83	3 76	9 59
Stricker and Lombard sts	17 49	8 69	26 18
Pratt and Monroe sts	2 92	1 56	4 48
Pratt and Payson sts	2 91	99	3 90
Pratt and Mount sts	5 83	1 19	7 02
Pratt and Gilmor sts	7 29	4 95	12 24
Charles and Cross sts	5 83	3 17	9 00
Charles and Ostend sts	5 83	1 58	7 41
Lombard and Calvert sts	5 83	1 39	7 22
Charles and West sts	2 92	1 78	4 70
Pratt and Pulaski sts	4 83	2 97	7 80
Charles and Eager sts	2 91	1 57	4 47
St. Paul and Read sts	4 38	1 31	5 69
Charles and Read sts	2 92	2 25	5 17
Calvert and Monument sts	4 38	1 58	5 96
Pratt and Hanover sts	7 29	2 77	10 06
Paca and Franklin sts	5 83	2 57	8 40
Charles and Preston sts	5 83	5 35	11 18
Fort ave. and Hanover st	8 75	4 36	13 11
Pratt and Commerce sts	4 38	1 58	5 96
South and Lombard sts	2 92	27	3 19
Pratt and Charles sts	3 65	79	4 44
Jefferson pl. and 23d st	10 22	4 53	14 75
Cumberland st. and Pennsylvania ave	5 83	1 93	7 76
Wilkins ave. and Fulton st	23 33	16 63	39 96
Wilkins ave. and Gilmor st	7 29	2 77	10 06
Wilkins ave. and Mount st	26 24	15 64	41 88
Camden and Sharp sts	2 92	.....	2 92
Pratt and Chesapeake sts	2 92	10	3 02
Eager st. and Central ave	10 84	6 74	17 58
Patterson-park ave. and Monument st	2 92	45	3 37
Canton ave. and Bond st	.....	1 78	1 78
Canton and Collington aves	2 91	27	3 18

Streets.	Labor.	Material.	Total.
Aliceanna and Bond sts	$4 17	$1 04	$5 21
Ann and Lombard sts	5 83	1 98	7 81
Canton ave. and President st	.....	1 19	1 19
Boston and Gwynn sts	.....	1 19	1 19
Boston and Leakin sts	.....	2 77	2 77
Howard and Baltimore sts	2 08	59	2 67
Calvert and German sts	9 58	4 36	13 94
Fayette and Aisquith sts	7 30	3 56	10 86
Fayette and Caroline sts	8 75	2 08	10 83
Light and German sts	1 46	.....	1 46
Canton ave. and Essex st	5 83	3 26	9 09
Windsor and Essex sts	2 92	.....	2 92
Gay and Forrest sts	2 50	.....	2 50
Miscellaneous tools, etc	.....	15 80	15 80
Total	$944 54	$466 55	$1,411 09

VITRIFIED BRICK FOOTWAY CROSSINGS.

A number of footway crossings laid with vitrified brick and charged to "Cross Streets" have given satisfaction. These have usually been laid where the wagon travel has not been so heavy but a few crossings have been laid on streets near the City Hall where the wagon travel is heavy, and have shown no signs of failure. These crossings are in many respects better than flagstones and are very much cheaper. The bricks delivered on the street, cost from 11 to 13 cents per square foot, whereas the regulation flagstones cost 28 cents per square foot this year. The labor of laying is about the same in both cases.

The total cost of the footway-crossings was $1,533.51. Of this amount $116.27 was for brick from the City Yard, charged to "Repairs of Roads, Streets, etc.," and the balance

$1,417.24, was charged to "Cross Streets." The following list gives the location and the cost of these crossings:

Location.	Labor.	Material.	Cost.
Girard ave. and Girard terrace	$ 9 45	$10 41	$ 19 86
Preston st. and Linden ave	19 38	18 12	37 50
Gilmor st. and Harmony lane	11 91	6 87	18 78
" " alley north of Lexington	5 42	7 67	13 09
Twenty-second street and Greenmount avenue, eastside	14 50	20 86	35 36
Hoffman st. and Morris alley, southside	7 25	6 61	13 86
Maryland ave. and Adams alley	7 26	6 24	13 50
North ave. and Boone st	16 29	19 35	35 64
Fort ave. and Richardson st	14 92	1 46	16 38
North ave. and Oliver st	38 11	36 15	74 26
" " Greenmount ave	13 25	13 65	26 90
Clement and Haubert sts	13 55	18 32	31 87
Twenty-first st. and Hudson alley	5 05	8 08	13 13
Bradford alley, eastside of Guilford ave.	7 38	10 58	17 96
" westside "	4 75	5 14	9 89
Lanvale st. and Lovegrove alley	5 50	6 69	12 19
Bradford alley, eastside of Calvert st	5 50	5 99	11 49
Reservoir and Callow aves. (4 crossings)	84 77	82 94	167 71
Hopkins ave. and Madison st	16 25	40 60	56 85
Rose st. and Foster ave., (2 crossings)	24 29	29 05	53 34
Baltimore st. and Marsh Market space	6 63	4 26	10 89
North ave. and Lovegrove al	13 25	15 91	29 16
Maryland ave. and Preston st	20 54	18 61	39 15
McMechen st. and Jenkins' al	4 42	6 16	10 58
Hoffman st. "	4 42	6 22	10 64
Baltimore and Gay sts	19 85	16 66	36 51
Holliday and Fayette sts	16 27	18 80	35 07
McMechen st. and Mason al	6 63	4 70	11 33
Lafayette and Fremont aves.	13 25	7 84	21 09
South st. and Exchange place	26 49	23 52	50 01
North and Oak Hill aves	16 44	18 97	35 41
Twenty-first st. and Lovegrove alley, southside	9 66	11 27	20 93
Twenty-first st. and Lovegrove alley, northside	7 46	11 27	18 73

Location.	Labor.	Material.	Cost.
North ave. and Cromwell st	$16 58	$20 05	$36 63
Beason and Haubert sts	13 25	11 12	24 37
Lanvale and Florence sts	18 25	19 24	37 49
Lafayette ave. and Florence st	14 78	14 34	29 12
Old Frederick rd. and Fairview ave	1 31	33 32	34 63
Ashland ave. and Washington st	15 75	18 20	33 95
Alley on Barclay st, bet. Girard and Lanvale st	5 04	5 01	10 05
Alley eastside Guilford ave., south of Twenty-second st	5 04	4 62	9 66
Alley on Girard ave., east of Calvert st	4 42	6 19	10 61
Alley on Druid Hill ave., south of North ave	7 26	5 06	12 32
Alley on eastside of Oak st., north of Twentieth st	2 21	5 02	7 23
Alley on southside of Twenty-first, east of Oak st	5 04	6 49	11 53
Alley on northside of Reservoir st. west of Park ave	8 83	....	8 83
Alley on northside Lafayette ave., east of Calvert st	9 79	7 56	17 35
Alley on northside of Lafayette ave., east of St. Paul st	9 91	5 60	15 51
Alley on North ave., east of Tenth st	10 00	7 48	17 48
Alley on eastside of Bolton st., north of Lennox st	13 25	18 51	31 76
Alley on southside of Koenig st., bet. Bolton st. and Linden ave	4 42	10 28	14 70
Alley on southside of Ducatel st., bet. Bolton st. and Linden ave	11 04	1 46	12 50
Alley on westside of Guilford ave., north of Lafayette ave	8 83	6 58	15 41
Alley on southside of Fayette st., west of Holliday st	12 63	.....	12 63
Alley on southside Hoffman st., east of Linden ave	8 83	4 70	13 53
Alley on southside of Hoffman st., west of Linden ave	8 83	5 29	14 12
Alley on westside of Charles st., north of North ave	5 04	4 04	9 08
Alley on southside of Twenty-first st., east of Charles st	5 04	5 51	10 55

Location.	Labor.	Moterial.	Cost.
Alley on northside of Twenty-fourth st., west of Charles st	.....	$3 92	$3 92
Alley on southside of Twenty-fourth st., east of Barclay st	.....	3 92	3 92
Twenty-fourth st. and Hargrove alley	.....	5 39	5 39
Twenty-fourth and Calvert sts	$2 00	16 66	18 66
Mount st., bet. Riggs and Patterson aves	.....	20 82	20 82
Alley eastside of Barclay st., south of Twenty-second st	5 03	5 11	10 14
Alley northside of Twenty-first st., east of Charles st	5 05	5 51	10 56
	$727 54	$805 97	$1,533 51

FOOTWAYS.

The work of looking after the footways reported by the Police Department and others, and the repairs of footways by the city at the street intersections has been looked after by the Footway Inspector. During the year 2,870 notices have been sent to owners of property to pave and repair footways as provided in Article 48, Section 52 of the City Code of 1893. In a very large proportion of cases owners are disposed to comply with the notices and make repairs promptly; there are, however, many persons who evade and delay making repairs in such a way as to greatly increase the work in this department.

There is a great need of revision in the laws affecting paving and repairs of footways, both as to the materials to be used and the authority to require owners to pave and repair footways on unpaved and partly paved streets, and in front of unimproved and partly improved property.

In three cases where notices were sent to the owners to pave footways and they refused or neglected to comply with the notices, the work was done by the city and an assessment sent to the Collector as provided in Article 48, Sections 53 and 54 of the City Code of 1893. The total amount of this

work was $195.54. Of this amount $119.50 was charged to "Repairs of Roads, Streets, etc.," and $56.97 to "Cross Streets," and $10.80 was for sand from Subway trenches, and $8.27, the 3 per cent. for cost and collection provided by law. The following is the location of the footways and amount of assessment:

Location.	Labor.	Material.	Three Per ct.	Total.
Southside North ave., near Oak st	$60 71	$101 29	$4 86	$166 86
Northwest cor. North ave. and St. Paul st	2 75	7 10	2 95	12 80
Cross st., north of Sterrett st	8 92	6 50	46	15 88
				$195 54

One bricklayer and a cart has been engaged in making repairs to footways at street intersections, the work being charged to "Cross Streets." Repairs aggregating 13,130 square feet were made during the year at 330 locations. The average cost of labor was 5.78 cts. per square foot. The cost was $746.09 for labor, $187.77 for new brick and $83.05 for sand, a total of $1,016,91.

COVERED GUTTERS PAVED WITH BRICK.

The floors of covered gutters in many cases are paved with cobble-stones which collect filth and create a nuisance. Some of these have been repaved from time to time with brick on edge. The Street Railway Company has, however, refused to co-operate with the Department to make these changes and it is but little improvement to pave the portion outside the tracks when the cobble-stones are left between the tracks of the street railway.

Gutters have been paved with brick at the following places during the year:

Location.	Labor.	Material.	Total.
Eutaw and Lombard sts	$22 58	$13 80	$36 38
Canton ave. and Chester st	35 62	17 70	53 32
Courtland and Saratoga sts	5 50	5 00	10 50
	$63 70	$36 50	$100 20

FLAGSTONE REPAIRS.

Repairs were made to flagstones at a number of places and charged to "Paving and Repairs of Cross Streets." At Myrtle avenue and Mosher street, and at Wilson and Bolton streets, new crossing were put in and charged to the same account. The location and cost is given as follows:

Location.	Labor.	Material.	Total.
Northside Mosher street, across Myrtle avenue, (new)	$27 87	$47 04	$74 91
Across Wilson st., northeast side Bolton street, (new)	18 44	54 79	73 23
Across Wilson street, southwest side Bolton street, (repairs)	20 83	6 44	27 27
Morris alley and Hoffman st., (repairs)	8 83	.....	8 83
Linden ave and Preston st., "	13 66	.....	13 66
Lombard and South sts., "	8 83	.....	8 83
Baltimore and Frederick sts., "	6 63	.....	6 63
Gay and Fayette sts., "	11 04	.....	11 04
Fayette and Frederick sts. "	15 86	.....	15 86
Hoffman st. and alley w. Park ave., "	4 42	.....	4 42
Gay st. and Ashland ave. "	15 50	.....	15 50
Baltimore st. and Fremont ave., "	3 47	.....	3 47
Gay and Caroline sts., "	8 59	.....	8 59
	$163 97	$108 27	$272 24

The following miscellaneous repairs were made and charged to "Cross Streets," viz:

Location.	Description.	Labor and Material.
McHenry and Bentalou sts.,	the wooden chute was rebuilt...	$ 78 89
Eastern ave. and Concord st.,	open stone gutter, reset.....	15 59
Lombard and South sts.,	setting fender stones.....	17 16
Pratt and Gay sts.,	setting fender stone	4 42
Heath and Hanover sts.,	setting stepping stones.....	4 42
Heath and Clarkson sts.,	setting stepping stones.....	4 42
Preston and St. Paul sts.,	hauling stone to city yard.....	75
City yard—	new tools and labor of sharpening tools for "Cross Streets".....	34 53
Lexington st. and Fremont ave.,	granite block repairs.....	13 25
Maryland ave. and Preston st.,	resetting kerb and footway...	8 84
Forrest and Low sts.,	granite block repairs	4 42
Hauling vitrified brick to city yard.....		9 27
500—4.5x4x3.5 brick in city yard.....		6 12
North ave. and Oak st.....		5 83
		$207 91

BRIDGES—REPAIRS OF AND PAINTING.

The repairs and painting of bridges was continued until the appropriation was exhausted, and also a small amount appropriated by the Board of Estimates from the Contingent Fund for some urgent repairs. Seven of the largest bridges were cleaned and three others were partly cleaned and painted. One wooden bridge on Stafford lane with a floor area of 12x16 feet, was taken out and replaced with a stone arch. Nine hundred and twenty-four feet of Harmon's Bridge was filled in and macademized. This latter was charged to "Repairs of Roads, Streets, etc.," and is described under that head. Other bridges were repaired and new floors were laid, where needed, as noted in the table below.

The actual area of iron surface of the bridges cleaned and painted was worked up from plans, and the amount of labor and material for cleaning and painting kept separate so as to get at

the actual cost per square foot of surface. As would be expected, the cost varies greatly, owing to the condition of the bridge, the amount of scaffolding required proportionately to the area, the difficulty of rigging, and whether the areas are large and consecutive as on a plate girder with buckle plates to support the floor, or with many small pieces difficult to get at as on a truss with lattice beams and posts. However, the data will be of some value for future estimates and is given below with brief notes on each bridge.

Columbia-avenue Bridge over Gwynn's Falls. One span steel Pratt truss, 120 feet long by 60 feet wide; three half-through trusses with lattice cords and posts; wooden floor, built and painted with rubber paint in 1894-5; painted area, 14,509 square feet, surface badly rusted. Cost of scaffolding and cleaning 4.1 cents per square foot; cost of painting with two coats of Princess Metallic, 1.5 cents per square foot.

Block-street Drawbridge. Built in 1880. One wrought-iron swing span, 198 feet long by 31 feet wide; two trusses with lattice cords and posts; cast-iron turntable, wooden floor. Painted area, 13,075 square feet. Last record of painting, 1885. Iron in bad condition. The total cost of this bridge was greatly increased because the bridge had to be opened and closed from thirty to forty times a day, and because there was not room to swing a scaffold below the bridge on account of the piles and house on the center pier, so that part of the work had to be done at night. The cost of scraping and scaffolding was 5.3 cents per square foot; cost of painting with two coats of Patterson-Sargent paint, No. 356, 3.2 cents per square foot.

Lombard-street Bridge. Built in 1879. Three Pratt trusses, single span 96 feet long by 52 feet wide, cast-iron posts and top cord, wrought-iron tie rods and lower cords, wooden floor. Painted in 1885; iron in bad condition. Painted area, 9,065 square feet; cost of scaffolding and cleaning 3.2 cents per square foot; cost of painting with two coats of Princess Metallic, 1 cent per square foot.

Baltimore-street Deck Bridge. One span; 14 soft steel plate girders, 84 feet long by 66 feet wide, with iron plates under the floor. Built in 1893. Painted with Dixon's Graphite paint; in fair condition. Painted area, 21,665 square feet; scaffolding easily put up and moved; painting areas large and easy of access; cost of scaffolding and cleaning 2.3 cents per square foot; cost of painting with two coats of Patterson-Sargent paint, No. 356, 1.7 cents per square foot.

Lexington-street Bridge. Same style, etc., as Baltimore street bridge. 78 feet long by 71 feet wide; cost of scaffolding and cleaning 2 cents per square foot; cost to paint with two coats of Patterson-Sargent paint, No. 356, 1.5 cents per square foot.

Guilford-avenue Bridge. Two cast and wrought-iron triangular trusses and two spans. Total length, 355 feet by 62 feet wide; wooden floor; cost of scaffolding and cleaning, 3.1 cents per square foot; cost to paint with two coats of Princess Metallic paint, 1.6 cents per square foot. This bridge was not completed when work was suspended for lack of funds.

The small amount of work done on Chase-street Bridge, and conditions under which work was done, make the cost per unit of area of little value.

St. Paul-street Bridge. Only the floor beams, buckle plates, etc., below the floor and over the railway were cleaned and painted. The area painted was 57,163 square feet; cost of scaffolding and cleaning 2.7 cents per square foot; cost of painting with two coats of Patterson-Sargent paint, No. 356, was 1.3 cents per square foot. The total cost of each bridge is given in table below.

Stafford-lane Bridge. The walls, stringers and floor of this bridge was in such bad condition as to require that it be entirely reconstructed. It was decided to build a stone arch and thus practically be rid of future cost of maintenance. The arch has a span of ten feet, and is twenty feet long, with four stepped winged walls. Main walls 3.5 feet thick at base and

3 feet thick at springing line; arch 1.25 feet thick. All masonry except arch is broken-range work. End ring stones cut to dimensions; balance of arch, coursed rubble; parapet walls 1.5 feet wide, laid up to 1.5 feet above roadway.

It was designed to lay the masonry with Union cement, mixed one to two. When about three feet of the lower courses of the south wall was completed, the tests of the cement used showed it to be of inferior quality, and the balance of the masonry was laid in Germania cement, mixed one to three. The statement below shows the cost of the excavation as excessive. This is due to a dip in the rock foundation, which had to be taken out in steps, and a diversion of the channel at the west end of the bridge of about 60 feet. Total masonry 91 cubic yards. The cost of the work (classified) is as follows:

	Total Cost.	Cost Per Cu. Yd. of Masonry.
Labor excavating	$ 92 99	$1 02
" making centers	32 09	35
" laying masonry	227 76	2 50
" filling approaches	46 66	51
10 bbls. domestic, 47 bbls. Portland cement	136 04	1 50
32 cu. yds. of sand	25 60	28
Stone	301 04	3 31
Tools	7 92	09
Lumber	15 75	17
	$885 85	$9 73

There were 135 perches of rubble-stone (quarry measurement by weight) used in the culvert. Deducting the end ring stones (which were cut to dimensions), 6.2 cubic yards, from the total volume of the masonry, leaves 84.8 cubic yards of masonry in place, which was laid up with the 135 perches above named. This gives 1.59 perches of rubble stone for each cubic yard of masonry in place.

I would suggest the advisability of taking out the small wooden bridge on Morris lane over the mill race, and replacing it with terra-cotta pipes; also the wooden bridge on Union avenue, over the mill-race, be replaced by pipes of sufficient capacity to carry the water entering at the head gates. From conversation with the owner of the race, I think there will be no difficulty in getting the required permission.

The wooden truss over Dead Run is in bad condition, and should be replaced with an arch or a pier and "I" beams.

The remaining portion of Harmon's Bridge should be strengthened or reconstructed. Several spans are 24 feet long, with single floor resting on ten 3x12x24 inch stringers. It will be necessary to lay a new floor soon, and I would suggest driving piles so as to divide the span, which, under the present conditions, would probably be the best and cheapest construction.

The gases and acids from Harris-creek Sewer are rapidly destroying the plate girders at Boston-street Bridge, and it will be necessary to renew or strengthen at least one of them.

I would suggest the advisability of sealing the lower part of this bridge with matched lumber, so as to keep the gases from the iron. This has been done in Philadelphia under bridges which are over railways.

A plan and record of all the bridges has been made in a book for convenient reference, and a brief history of each bridge given with references to records.

The following is a list of the bridges on which repairs and painting has been done, together with the cost of labor and material for the various items:

Bridges.	Labor.	Material.	Total.
Argyle-avenue—			
New footway, eastside	$22 50	$69 13	$91 63
Block-street Draw Bridge—			
Supplies for 1900	.....	$ 30 52	$ 30 52
Repairs to roof of engine house	$ 11 00	2 00	13 00
" machinery	22 90	19 71	42 61

Bridges.	Labor.	Material.	Total.
Block-street Draw Bridge—Con.			
Diver repairing water pipe (4 times)...	$177 94	$ 7 30	$185 24
New double roadway, floor.....	189 08	478 85	667 93
Scraping and scaffolding	611 18	94 04	705 22
Painting.....	327 00	88 61	415 61
Repairs to bumper.....	10 00	2 97	12 97
	$1,349 10	$724 00	$2,073 10
Boston-street—			
New roadway, southside.....	$13 42	$45 52	$58 94
Baltimore-street—			
Painting.....	$244 54	$131 26	$375 80
Scraping and scaffolding.....	489 27	10 91	500 18
	$733 81	$142 17	$875 98
Clipper-Mill—			
Repairs to truss.....	4 38	.....	4 38
Columbia-avenue—			
Painting.....	$192 01	$28 78	$220 79
Scraping and scaffolding.....	630 03	9 88	639 91
	$822 04	$38 66	$860 70
Chase-street—			
Painting.....	$116 63	$31 72	$148 35
Scraping and scaffolding.....	266 49	57 51	324 00
	$383 12	$89 23	$472 35
Culver-street—			
New hand-rail.....	$8 75	$6 81	$15 56
Canton-avenue—			
Repairing hanger.....	$11 45	$12 38	$23 83
Cedar-avenue—			
Repairs to roadway.....	$5 83	$8 32	$14 15
Dead-Run—			
Repairs to roadway.....	$ 2 92	$1 24	$ 4 16
Strengthening truss.....	51 49	.....	51 49
	$54 41	$1 24	$55 65

Bridges.	Labor.	Material.	Total.
Edmondson-avenue, over Gwynn's Falls			
Repairing handrail and roadway.....	$10 21	$13 15	$23 36
Edmondson-avenue, over B. & P. R. R.			
New roadway, northside.....	$ 52 33	$155 39	$207 72
Painting.....	188 95	42 31	231 26
Scraping and scaffolding.....	454 09	8 55	462 64
Repairs to hanger.....	1 67	5 00	6 67
	$697 04	$211 25	$908 29
Eastern-avenue—			
New floor and guardrail, northside.....	$52 47	$212 40	$264 87
Franklin-street, over Gwynn's Run—			
Repairs to roadway.....	$3 76	$3 96	$7 72
Garrison-lane, south of B. & P. R R.—			
Repairs to handrail.....	$5 83	$1 04	$6 87
Guilford-avenue—			
Repairs to roadway.....	$ 11 07	$ 22 42	$ 33 49
Repairs to footway.....	10 00	26 25	36 25
Painting.....	458 51	79 34	537 85
Scaffolding and scraping.....	897 74	52 21	949 95
	$1,377 32	$180 22	$1,557 54
Harmon's—			
Repairs to roadway.....	$34 63	$92 89	$127 52
Repairs to bents.....	29 16	.....	29 16
	$63 79	$92 89	$156 68
Lexington-street, over Gwynn's Run—			
Repairing roadway.....	$8 75	$5 05	$13 80
Lexington-street—			
Painting.....	$235 00	$103 43	$338 43
Scraping and scaffolding.....	454 82	12 05	466 87
	$689 82	$115 48	$805 30
Lombard-street—			
Painting.....	$ 63 63	$31 14	$ 94 77
Scraping and scaffolding.....	282 85	12 60	295 45
	$346 48	$43 74	$390 22

Bridges.	Labor.	Material.	Total.
Leadenhall-street—			
New roadway	$18 50	$44 88	$63 38
Repairs	4 37	6 68	11 05
	$22 87	$51 56	$74 43
Madison-street—			
New roadway, south side	$39 98	$124 08	$164 09
Maryland-avenue—			
Repairs to roadway	$ 2 50	.....	$ 2 50
New roadway, east side	37 42	111 41	148 83
Repairs to footway	2 92	1 06	3 98
	$42 84	$112 47	$155 31
Morris-avenue, over mill race—			
Repairs to roadway	$3 75	$5 94	$9 69
Mount and Reese streets—			
Repairs to handrail	$4 16	79	$4 95
Montebello-ave., north of B. & O. R. R.—			
Repairs to floor	$2 92	.....	$2 92
North Monroe-street—			
Painting	$451 31	$136 16	$ 587 29
Scraping	986 67	99 09	1,085 76
Stonewall, north end	151 25	69 02	221 17
	$1,589 05	$305 17	$1,894 22
Preston-street—			
Repairs to footways	$ 5 83	$ 5 15	$10 98
Repairs to roadway	11 66	24 95	36 61
	$17 49	$30 10	$47 59
Stafford-lane—			
Rebuilding with stone	$399 50	$486 35	$885 85
St. Paul-street—			
Repairs to expansion plates on roadway	$ 44 96	$ 4 26	$ 49 22
Painting	592 90	230 36	823 26
Scraping and scaffolding	1,386 83	155 30	1,542 13
	$2,024 69	$389 92	$2,414 61
South Monroe-street—			
Repairs to roadway	$ 8 75	$10 64	$ 19 39
New sill for handrail, west side	146 17	81 78	227 95
	$154 92	$92 42	$247 34

Bridges.	Labor.	Material	Total.
South Monroe-street, culvert—			
Repairing	$5 83	$19 53	$25 36
Union-avenue, over mill race—			
New roadway and strengthening truss	98 40	88 28	186 68
Wilkens-avenue, culvert over Maiden Choice Run—			
Rebuilding parapet wall	185 85	160 13	345 98
Wilkins-avenue—			
Repairs to roadway	2 91		2 91
Miscellaneous bridges—			
Tools and labor	41 55	219 07	260 62
	$11,300 99	$4,102 45	$15,403 44

The total amount spent on bridges is $15,403.44; of this amount $15,000.00 was in the ordinance of estimates, and $403.44 was appropriated from the Contingent Fund.

LIGHT-STREET DRAW BRIDGE.

This is probably the most important bridge in the city on account of the very large amount of travel which passes over it, and from the fact that any accident which would close this bridge would cause this travel to go 4.5 of a mile out of its way to reach the city over Harman's Bridge, so that all repairs must be made without interruption to travel.

In the original construction of the bridge a guard rail 4,210 feet long, of 10x12-inch timber, was laid directly on the stringers in such a way as to necessitate every plank laid on the floor being cut diagonally, and also entirely preventing any of the dirt from blowing off the bridge. This timber was badly decayed and has been taken out and replaced by a 6x6-inch piece set on blocks, which makes a better job, will save $400.00 in sawing plank for renewing the floor, and save $150.00 on the cost of cleaning the roadway floor.

The life of 3x12-inch Georgia pine top floor on this bridge is but little over three years. During the past year 1,226 lineal feet of top floor was taken up and relaid with new plank, beginning at the south end of the bridge. This is over the portion of the floor relaid in 1897.

The footway of 2-inch plank on the west side of the bridge has not been renewed for the last six years, and a large number of plank are decayed. Three hundred and fifty-nine lineal feet of footway has been renewed during the year.

The entire bridge has been swept and kept clean by the bridge force since May 1. Prior to that time the Street Cleaning Department cleaned the bridge at uncertain intervals.

Both dwelling houses were gone over and repaired, painted and white-washed by the bridge force, besides many minor repairs about the engine house and draw bridge.

On May 1, two men at $50.00 per month were added to the bridge force to relay floor, clean the bridge, etc., as recommended in my last report. The large amount of work done in consequence of this slight increase in the force shows the wisdom of the change. Formerly a large gang would be sent for a short time to relay the floor, whereas this year only $127.93 has been spent for labor outside the regular force.

	Labor.	Material.	
Engineer and bridge tenders	$2,979 84	.....	
Coal, oil, tools and supplies	.....	$ 394 44	
Repairs and renewal of floors	290 70	2,157 04	
Repairs to dwelling houses	33 74	69 32	
Renewal of wheel guardrail	269 46	440 18	
Repairs to engine and machinery	159 91	19 58	
Sweeping bridge	185 79	.....	
	$3,919 44	$3,080 56	$7,000 00

The following table gives the travel over the bridge and through the draw for the year:

Travel across bridge.		Boats through draw.	
Double teams	230,848	Tugs	5,031
Single teams	199,972	Sailing vessels	988
Funerals	729	Barges	3,219
Passenger cars	58,791	Steamers	231
Mail cars	7,942		

BLOCK-STREET DRAW BRIDGE.

The average number of boats passing through Block-street Draw Bridge per month during the year has been 770.

REPAIRS OF ROADS, STREETS, ETC.

The total cost of the work done under my direction and charged to this account was $13,636.30. The work consists of repairs to sheet asphalt, asphalt block and vitrified brick pavements; replacing sheet asphalt and asphalt block pavements around markets with vitrified brick; a small amount of granite block and cobble-stone repairs; filling in and macadamizing a part of Harmon's Bridge, etc.

SHEET ASPHALT REPAIRS.

The total amount spent on sheet asphalt repairs during the year was $1,833.45. Of this amount $62.28 was for cuts paid for by deposits for laying pipes. Of the balance $73.15 was charged to "Cross Streets" and $1,698.02 to "Repairs of

Roads, Streets, Etc." The following streets were repaired with rock asphalt by city labor, viz:

Street.	From	To	Cost.
Dover	Sharp	Hanover	$103 39
Sharp	Camden	Pratt	26 35
Montgomery	Sharp	Leadenhall	18 32
Hollins	Poppleton	Schroeder	84 70
Front	Baltimore	Gay	87 64
Lexington	Frederick	Holliday	65 47
Holliday	Lexington	Fayette	13 87
Fayette	Holliday	North	36 45
North	Fayette	Lexington	
Lexington	North	Calvert	3 66
Fayette	North	Calvert	26 45
Calvert	Read	Mt. Royal	133 14
Baltimore	Register	Patterson Pk. ave	110 34
			$709 78

The following streets were repaired by the Southern Asphalt Paving Company, viz:

Street	From	To	Cost.
Broadway	Eastern ave	Preston	$324 37
Baltimore	Broadway	Chesapeake	191 48
Chase	Broadway	Guilford ave	58 11
Calvert	Read	Mt. Royal ave	157 53
Fayette	Holliday	Calvert	26 91
Front	Baltimore	Gay	57 34
Lexington	Calvert	Gay	32 77
North	Fayette	Lexington	8 23
Around Centre market			78 44
" Cross-street market			17 57
" Lafayette market			106 20
" Richmond market			2 74
			$1,061 69

ASPHALT BLOCK REPAIRS.

Repairs to asphalt block pavements were made during the year to the amount of $1,739.05, including the cost of labor,

new blocks, hauling, sand, etc. The total area taken up and relaid was 3,445 square yards—making an average cost of all labor, sand and hauling for these repairs 48.1 cents per square yard. Owing to the fact that the manufacturers of asphalt blocks refused to sell the blocks to the city unless they were allowed to lay them at the rates given in the table below, the city was compelled to take up a portion of the asphalt pavement around the Fish Market to get blocks to make repairs on other streets. The pavement of the market was relaid with vitrified brick, as noted further on in this report. Of the total amount spent on asphalt block repairs $1,649.45 was charged to "Repairs of Roads, Streets, etc.," and $89.60 to "Paving and Repairs of Cross Streets." Total, $1,739.05.

Eutaw Place, east side, south of Robert street, was repaired with asphalt blocks taken from the Fish Market. Area taken up and relaid was 625 square yards. The work at this place was all in one patch.

	Total Cost.	Cost Per Sq. Yd.
Labor—tearing and laying blocks ...	$202 21	$0.323
55 cu. yds. sand at 73 cents.....	40 15	0.064
10.8 tons stone dust at 75 cents.....	8 10	0.013
New tools.....	1 08	0.002
Hauling	103 53	0.165
Total.....	$355 07	$0.567

The last item of 16.5 cents is for hauling enough blocks from the Fish Market to cover 625 square yards, and hauling away the old blocks from the same area. If the work had been done with new block the cost of the repaving would be reduced 16.5 cents, leaving the actual cost of repaving 40.2 cents per square yard.

Lexington street, from Fremont to Fulton avenues, was repaired in the worst places. Total area repaved was 1,328 square yards. This area is made up of 52 patches, ranging

from 3.5 square yards to one patch of 115 square yards, the average being 25.3 square yards. The cost of the work is as follows:

	Total Cost.	Cost Per Sq. Yd.
Total labor	$465 88	$0.351
48.7 cu. yds. of sand at 80 cents	38 85	0.029
Hauling	82 12	0.062
Total	$586 85	$0.442

It will be noticed that the work of laying is about the same on both the large and small work. The large work is on a street where the pavement was in bad condition, and required more blocks to be brought to the street and more sand used in repairing. On the small patches many of the blocks could be turned and used again.

St. Paul street, from Monument street to North avenue, was repaired where necessary. The total area repaired was 708 square yards. In this area 688 new blocks were used, and the rest were laid with old blocks from the City Yard, taken up in 1899. The cost of the work is as follows:

	Total Cost.	Cost Per Sq. Yd.
Labor and hauling	$315 70	$0.446
688 new blocks at 5 cents	34 40	0.048
31.7 cu. yds. of sand at 70 cents	22 20	0.031
Total	$372 30	$0.525

Lafayette avenue, from Madison to Carrollton avenues, was repaired to the extent of 748 square yards. Some of the blocks came from the Fish Market and some from the City Yard, and others were taken up from the street and relaid. The cost of the work is as follows:

	Total Cost.	Cost Per Sq. Yd.
Labor and hauling	$333 32	$0.446
40.6 cu. yds. of sand at 70 cents	28 47	0.038
	$361 79	$0.484

Fulton avenue, from Harlem avenue to Winchester street, was repaired to the extent of 136 square yards.

	Total Cost.	Cost Per Sq. Yd.
Labor	$59 84	$0.440
Sand	3 20	0.023
	$63 04	$0.463

The following table gives the number of patches of different areas, the total area of the different patches and the price bid for labor of laying by the Maryland Pavement Company, on July 18, and the cost of the work had it been done by them.

Size of Patches.	No.	Area.	Contractor's Price Per Yd.	Contractor's Proposed Cost.
Over 50 square yards...	14	1,357.2	$ .70	$1,076 04
20 to 50 " " ...	36	1,036.7	.80	829 36
10 to 20 " " ...	61	801.7	.90	721 53
5 to 10 " " ...	16	117.0	1 00	117 00
1 to 5 " " ...	17	52.4	1 25	65 50
Under 1 square yard... ...	.....	.....	1 50	.....
		3,545.0		$2,809 43

If the work had been done by contract the city would have had to pay for hauling the blocks, in addition to the contract price for laying the blocks, so that the work would have cost $2,809.43, plus $202.15, for hauling, or a total of $3,011.58, as against $1,704.75, the actual cost by day's labor, a saving of $1,306.83. At the prices paid in 1899, viz., $1.00 per square yard for areas under 100 square yards, and 70 cents per square yard for over 100 square yards. The saving would be $1,820.40.

VITRIFIED BRICK REPAVING AND REPAIRS.

Repaving and repairs of vitrified brick to the amount of a little over 5,000 square yards, and a total cost of $7,575.51 were made. The principal work done in replacing sheet

asphalt and asphalt blocks around the markets. Of the above amount $1,042.46 was paid in 1898 for brick stored in the City Yard for this work, $6,471.20 was charged to "Repairs of Roads, Streets, etc.," and $61.85 was charged to "Cross Streets." This, however, does not include vitrified brick footway crossings, which are reported under "Cross Streets."

At Belair market the work of replacing the sheet asphalt with vitrified brick was continued. The entire surface of the street on the west side of the market from Low street to Gay street, and a large area south of Low street was in such bad condition that it was torn out and replaced with Clearfield blocks, 8.5x3.25x4 inches.

The half-tone reproductions of the photograph of the portion of Forrest street at Belair market, between Low and Gay streets, shows the condition of the pavement before and after repaving with the vitrified brick.

On this portion of the street the crown was raised so as to leave all of the concrete base, except a wedge about three inches thick at the gutter, and running out to nothing at five feet from the gutter. The area of this work is 1,408.6 square yards, and the cost is as follows:

Items.	Total Cost.	Cost Per Sq. Yd.
Total labor, including removal of concrete	$ 904 76	$0.643
66,081 vitrified brick, at $18.00	1,222 50	0.868
176 cubic yards sand, at .70	123 20	0.080
Sharpening tools, etc	2 84	0.002
	$2,253 30	$1.593

The labor above includes hauling, brick and sand from the City Yard, picking up and removing the concrete, making bed and laying brick, and, as would be expected, is high on account of the work of removing the concrete near the gutters, which was very hard, and required special care, so that no more should be removed than was wanted.

Forrest street in other portions was in bad condition, but it was decided to patch up the worst holes, and leave till a future time the repaving of any large portion of the street. In this patchwork all the concrete had to be removed so as to get a depth for the brick. The total area of these patches is 375.4 square yards. Most of them were very small and difficult on account of the removal of the concrete, which was so hard that it had to be broken down before it could be removed. The cost of the patchwork is as follows:

	Total Cost.	Cost Per Sq. Yd.
Total labor, hauling and removal of material	$430 03	$1.145
Brick and sand	244 45	.651
Total	$674 48	$1.796

Besides the above a number of very small holes were patched with cement at a cost of $60.41 for labor and $36.16 for material, or a total of $96.57.

Dover street, from Sharp to Hanover streets, was paved with sheet asphalt in 1892. The portion from Sharp street to Cypress alley was in such bad condition that it was decided to repave the entire area with Maxwell blocks, 9x3.5x4 inches. The old asphalt and cobble-stone were removed, and a portion of the concrete base (which was very hard) was picked off. The area relaid is 796.5 square yards. The cost of the work is as follows:

Items.	Total Cost.	Cost Per Sq. Yd.
Total labor	$496 55	$0.624
32,130 brick at $24.50	787 19	0.988
121 cu. yds. of sand at .70	84 68	0.106
Hauling brick	64 28	0.081
Inspection of brick	15 42	0.019
Sundries	2 88	0.004
	$1,451 00	$1.822

Of this amount $19.17 was charged to "Cross Streets."

The Fish Market, at the foot of Water street, was paved with asphalt blocks in 1886 at a cost of $2.50 per square yard. The pavement had been repaired from time to time and was to have been repaired this year, but on account of the city not being able to purchase new asphalt blocks to make repairs it was decided to take up all the blocks around the fish market and repave with vitrified brick, the north side and east end being paved with Maxwell blocks, 9x3.5x4 inches, and the south side and northwest corner being paved with Clearfield blocks, 9x3.25x4 inches. This was done to note the difference of wear of the two kinds of blocks. The total area paved is 1,432 square yards. The cost of the work is as follows:

Items.	Total Cost.	Cost Per Sq. Yd.
Brick, f. o. b. Baltimore	$1,292 15	$0.902
124 cu. yds. of sand	86 80	0.061
Tools, lumber, etc	24 39	0.017
Inspecting brick at car	24 25	0.017
Hauling brick from car	108 18	0.076
Labor, tearing out block and laying brick	406 63	0.321
Total	$1,996 40	$1.394

The last item of this cost would have been materially reduced had it not been for two heavy rains which caused considerable amount of the pavement to be taken out and relaid, and a large amount of water had to be carried in buckets from the bed of the street. In connection with this work the kerb on the north side of the market was dressed and the stone gutter reset. About 40 feet of 4.5 inch kerb was purchased and set. The cost of this work was $69.95 for labor and $29.92 for the material, or a total of $90.87.

Broadway, from Baltimore street to Fairmount avenue, was repaired on the east side with Maxwell brick. The street was originally laid in 1892 with Maxwell fire-clay brick on a

concrete foundation. The brick was of an inferior quality for street paving, and the centre of the street was so badly worn that all the brick in the area repaired were broken and so badly worn as to be of no further value. Further repairs will be needed soon on the centre of the street, while at the kerb the brick are in good condition. The present condition of this street is a good example of the value of a concrete foundation. The bricks used on this street were, as noted above, a poor quality of fire-clay brick for street paving, but the concrete foundation was good, so that the pavement remained intact until entirely worn out. The brick used were 8.5x2.5x4 inches deep, and a large proportion of them were worn down to 1.75 inches before holes appeared in the surface. The block is on a grade of 7 per cent., and has a large amount of travel over it. If a good brick had been used the life of the brick would have been at least fifteen years. The area relaid and repaired is 184 square yards, about half the area being relaid with new new brick. The cost is as follows:

Items..	Total Cost.	Cost Per Sq. Yd.
Labor	$77 97	$ 0.423
New brick	93 00	0.505
Sand	4 90	0.027
	$175 87	$ 0.955

At Fulton avenue, between Harlem ave. and Lanvale st., the asphalt block gutters were badly disintegrated, and 250 lineal feet of gutter was taken out and replaced with vitrified brick. The cost was $98.92 for labor, $5.58 for hauling, $2.30 for sand and $51.45 for brick, a total of $158.25 or 63-3-10 cents per lineal foot. The gutter was constructed by laying a row of bricks on edge at right angles to the kerb and two rows on edge in the direction of the street, one-half inch higher than the bottom of the gutter, and on the street side of the same, the gutter was thoroughly grouted with Portland cement.

On Biddle street, east of Calvert street and Hargrove alley, the fire-clay brick pavement laid in 1891 was in bad condition. An area of 236.1 square yards was taken up and relaid with new Maxwell brick, and 88.7 square yards repaved with the best of the old brick. The cost was $205.65 for labor and $259.33 for material, total $464.98, or $1.43 per square yard.

St. Paul street, between Biddle and Preston streets, laid in 1893 with Maxwell iron-shale brick was in good condition, except where cuts had been made. 16.6 square yards were taken up and relaid with new brick at a total cost of $24.96 for labor and material or $1.50 per square yard.

Chase street, between St. Paul and Cathedral streets, laid with fire-clay brick in 1892, is in bad condition and will soon have to be repaved. 54.8 square yards of the worst places were patched up at a total cost of $53.63 for labor and $35.23 for brick, a total cost $88.86 or $1.62 per square yard.

The following is a list of places where gutters were repaired with vitrified brick:

Location.	Labor.	Material.	Total.
Camden st. and Camden lane	$20 30	$14 70	$35 00
Lafayette, near Pennsylvania ave	2 80	6 18	8 98
Eutaw place and Robert st	8 36	18 62	26 98
Front and Gay sts	6 63	3 92	10 55
Gay and Lexington sts	2 26	.....	2 26
Lexington and Frederick sts	6 63	2 94	9 57
Eutaw and Biddle sts	6 63	.....	6 63
	$53 61	$46 36	$99 97

Of this amount $42.68 was charged to "Cross Streets," and the balance, $57.29 to "Repairs of Roads, Streets, etc."

HARMON'S BRIDGE.

Harmon's bridge, over Gwynn's Falls, is one of the principal thoroughfares leading to the city. The bridge was 1 206 feet long and 18 feet wide; about 282 feet of the bridge is over Gwynn's Falls and the balance of 924 was over marsh

land. The great cost of maintaining so large an amount of plank floor brought about the decision to fill in the portion over the marsh, which has been done since August 6.

The fill below the level of the floor was made by removing a portion of the floor and filling an average depth of six feet with waste material, which would otherwise have gone to the dump, and then replacing the floor. This material was purchased at five cents and ten cents per cart-load delivered. After this material had settled, the floor was stripped from the bridge and the fill raised about three feet with gravel mixed with clay. All this work was done in such a way as not to block the constant stream of travel over the bridge fill. The travel serving to pack the material and make it uniformly solid.

From November 1st to 30th, the fill was allowed to settle and was then covered with a layer of small cobble-stone to an average thickness of 3.25 inches. This was covered with five inches of No. 2 crushed stone and on this 2.5 inches of gravel was spread and allowed to work its way into the stone and bind it together. The whole operation of spreading the stone and completing the roadway was done in eight days and without interruption to travel. The completed roadway is 18 feet wide, and is in first-class condition. The work was paid for out of the fund for "Repairs of Roads, Streets, etc." The cost of the work is as follows:

2,542 loads of dirt (1,870.3 cub. yds)	at $ 05	$127 10
2,760 " " (2,041.4 ")	10	276 00
Labor, raising floor and spreading dirt		519 58
Hauling 2,519.4 cub. yds. gravel and clay 2,000 ft	20	503 88
344 cub. yds. hauled 700 ft	07	24 08
Labor removing floor and spreading gravel		298 93
Hauling 178 loads (135.5 cub. yds.) old cobble from the city yard—three miles		89 00
33.64 cub. yds. cobble (hauled 3.5 miles)	1 25	42 05
Labor spreading stone		150 75
276.72 cub. yds. No. 2 stone (hauled 3.5 miles)	1 50	415 07
238 loads of gravel	10	23 80
237 " " (hauled 2,000 ft.)	23	54 51
Tools, lumber, etc., including 2 car-loads cinders	5 00	21 67
Total cost to fill and macadamize 924 lin. ft		$2,546 42

From the above it will be seen that the total cost of the material used below the floor was 23.5 cents per cubic yard, and the gravel and clay fill was 32.8 cents per cubic yard. The cost of macadam on the roadway where rough cobble from the quarry was used is as follows:

3.25-inch rough cobble base	$ 0.1133	sq. yd.
Spreading same	0.0250	"
5-inch No. 2 crushed stone	0.2120	"
Spreading same	0.0383	"
2.5-in gravel covering	0.0250	"
Spreading same	0.0037	"
Total cost per sq. yd. complete	$ 0.4173	

If we assume that the old cobble-stone from the city yard was worth 25 cents per load in addition to the cost of hauling, the total cost per square yard complete, where this base was used, would be 38 cents per square yard.

The embankment will be gradually widened with waste material so as to increase the width of the roadway.

MISCELLANEOUS REPAIRS, ETC.

The following miscellaneous repairs were made and charged to "Repairs of Roads, Streets, etc:"

Location and Description.	Cost.
Cedar avenue, between First and Second streets, excavation	$ 136 76
Merryman's-lane bridge, paving approach (cobble-stone)	24 57
St. Paul-street bridge, " " (granite blocks)	36 03
Maryland-avenue bridge " " (cobble-stone)	13 25
South Monroe-street bridge, " " "	64 83
North Monroe-street bridge, " " "	62 53
Edmondson-evenue bridge, " " "	35 59
Lexington-street bridge, repairs to retaining wall	3 00
Stafford-lane bridge, grading approaches	50 41
Montebello culvert, repairs	1 36

Location and Description.	Cost.
Wilkens-avenue bridge, approach	$ 4 17
Calverton-road bridge, ties for retaining wall	3 00
Garrison lane, north of B. & P. R. R., repairs to handrail	8 85
Maryland avenue, Twenty-first to Twenty-third streets, repairs to granite blocks	58 21
Hoffman and Chester streets, cobble repairs	21 00
Fayette street and Lakewood avenues, repairs to boardwalk	6 09
Streeper street and Canton avenue, repairs to boardwalk	7 92
Hanover street, Camden to Lee, repairs to granite blocks	83 73
Peabody alley, repairs to cobble-stone and gutters	147 03
North avenue and Oak street, repairs to footway	4 28
Rogers avenue and Low street, repairs to footway	5 50
Removing tree, 11 West North avenue	1 38
Twenty-third street and Jefferson Place, repairs to wooden chute	14 59
1749 North Castle street, repairs to footway	2 75
Hamburg street, rebate on assessment	1 78
Labor at City Yard, sharpening tools, hauling, etc	94 13
Material to the City Yard and tools for repairs to streets	47 39
500 9x8x3.5-inch gutter-brick at the City Yard	24 50
Lovegrove alley and Eager street, repairs to cobble-stone and gutters	70 83
	$1,035 46

Under "maintenance of City Yards" $45.08 was spent for labor and material, sharpening tools, etc.

REVENUE FROM OLD MATERIAL.

The amount of old material sold for the Comptroller during the year is as follows:

Old machinery and iron	$815 50
Old small cobble-stone	193 06
Old half asphalt blocks	89 75
Old lumber from bridges	75 16
Old street brick	22 25
Old kerb and circles	19 00
	$1,214 72

CEMENT TESTS.

Cement tests were made from time to time for the Department by one of the assistants in my office. Not having a man available to give this work more attention, we have been content with tests for tensile strength. The present room in the basement of the City Hall is not well adapted for careful work, as there is no way to regulate the temperature. Tests for tensile strength are made with neat cement, and with cement and standard sand proportioned by weight as follows:

Natural cement, one part cement, two parts sand;
Portland cement, one part cement, three parts sand.

The average tensile strength in pounds per square inch of section, one hour (or until set) in air, and the remainder in water, shall not be less than:

Natural Cement—	One Day.	Seven Days.	Twenty-eight Days.
Neat	75 lbs.	150 lbs.	225 lbs.
1 Cement, 2 Sand	.....	80 lbs.	140 lbs.
Portland Cement—			
Neat	125 lbs.	400 lbs.	500 lbs.
1 Cement, 3 Sand	.....	125 lbs.	200 lbs.

CEMENT TESTS DURING THE YEAR.

		Average Tensile Strength of 5 Briquetts.		
Name of Brand.	Proportion.	One Day. Pounds.	Seven Days. Pounds.	Twenty-eight Days. Pounds.
Globe Portland	Neat.	74	267	369
" "	1 to 3	.....	62	111
Round Top	Neat.	52	86	200
" "	1 to 2	.....	57	191
Globe Portland	Neat.	203	298	419
" "	1 to 3	.....	144	141
" "	Neat.	127	317	433
Germania	Neat.	.....	334	.....
"	1 to 3	.....	177	.....

Average Tensile Strength of 5 Briquetts.

Name of Brand.	Proportion.	One Day. Pounds.	Seven Days. Pounds.	Twenty-eight Days. Pounds.
Union Hydraulic	Neat.	65	77	148
F. O. Norton	Neat.	51	82	267
Nazareth	Neat.	235	557	665
Crescent	Neat.	64	101	183
Ulster	Neat.	51	60	224
Lehigh American Portland	Neat.	313	574	626

The average tensile strength is the mean breaking strain of five briquetts of each age.

GRADE ESTABLISHMENTS—1900.

The following is a list of the grades established during the year. Fewer establishments were made this year than in previous years.

Streets.	From	To	
Thirtieth	St. Paul	Charles	
Denver	Carey	Bayard	
Twenty-sixth	St. Paul	Lovegrove alley	
Sixteenth	Clifton avenue	Windsor Mill road	
Seventeenth	Clifton avenue	Windsor Mill road	
Holly	Sixteenth	Seventeenth	
Clifton	Fifteenth	Seventeenth	
Clifton	Thirteenth	Fifteenth	Re-establish't.
Thirteenth	North	Clifton Two	Re-establish't.
North avenue	Twelfth	Thirteenth	
Huntingdon ave.	St. Paul	Calvert	
Huntingdon ave.	Barclay	York road	
Huntingdon ave.	Calvert	Barclay	Re-establish't.
Frederick road	Yale avenue	Loudon avenue	
Walrad avenue	Yale avenue	Loudon avenue	
Potter	Yale avenue	Loudon avenue	
Angusta avenue.	Walrad	Potter avenue	
Loudon avenue.	Frederick road	Potter avenue	Re-establish't.
Augusta avenue.	Frederick road	Walrad avenue	Re-establish't.

Streets.	From	To	
Collins avenue	Frederick road	Walrad avenue	Re-establish't.
Yale avenue	Frederick road	Potter	
Claret alley	Hamburg	Cross	
Carey	20 feet north of Carroll	19 feet south of Carroll	Re-establish't.
Thirtieth	St. Paul	1st alley westward	Re-establish't.
Christian	Pulaski	Bentalou	
Maryland	Twenty-fifth	Twenty-ninth	

TESTS OF PAVING BRICKS MADE IN THE LABORATORY OF THE HIGHWAY DIVISION OF MARYLAND GEOGRAPHICAL SURVEY FOR THE CITY ENGINEER, BALTIMORE, MD., 1900.

Data as to Weight per Cubic Inch, Volume and Remarks Added.

Number.	Name of Sample and Where Made.	Material. Color.	Size, Inches.	Weight, Cu. Inch, Lbs.	Volume, Cu. Inches.	Weight, Lbs.	Rattler Test, % Lost.	Cross Breaking, Strength, Lbs.	Mod. Rupture, Lbs. per Square Inch.	Absorption, Per Cent.	Remarks.
1	Welsh, Gloninger & Maxwell	Red, iron shale	9 x 4 x 3½	0.079	126.	10	27.	5,700	2,100	2.9	From Dover st. Select by City Engineer.
2	Welsh, Gloninger & Maxwell	Red iron shale	9 x 4 x 3½	.079	126.	10	26.	8,300	1,490	2.0	From Dover st. Run of the lot by City Engineer.
3	Wire Cut, Hamburg, Pa	Red shale	8.1 x 3.8 x 2.4			5.8	50.	7,243	2,910	3.3	Sample by manufacturer.
4	Repressed, Hamburg, Pa	Red shale	8.5 x 4 x 2.5		85		24.6	10,120	3,440	3.4	Sample by manufacturer.
5	Mack Manufacturing Co., New Cumberland, W.Va.	Yellow fire clay	4 x 3.2 x 9	.092	115.2	10.7	35.	15,110	3,460	4.1	"Special paving block." Sample by manufacturers.
6	Mack Manufacturing Co., New Cumberland, W.Va.	Yellow fire clay	2.5 x 4 x 8.25	.081	82.5	6.7	20.	9,780	3,310	3.95	"Wire-cut pavers." Sample by manufacturers.
7	G. P. Montague, Washington, D. C	Red stone	2.6 x 4 x 8.4	.068	87.3	6.	22.	6,920	2,360	3.4	"Pressed paving brick." Sample by manufacturer.
8	Mack Manufacturing Co., New Cumberland, W. Va.	Yellow fire clay	2.6 x 4 x 8.4	.079	87.3	7.1	18.	10,030	3,415	3.5	"Repressed pavers." Sample by manufacturers.
13	Wanamaker No. 1, Baltimore	Dark red shale	8.7 x 3.9 x 3.2	.071	108.5	8.8	28.6	13,730	2,610		Sample by manufacturer.
14	" " 2, "	" "	3.9 x 2.6			7.5	28.7	15,550	3,450		Sample by manufacturer.
15	" " 3, "	" "	8.8 x 4 x 3.1	.091	109.1	10.	28.	17,800	3,220		Sample by manufacturer.
16	" " 4, "	" "	8.8 x 4 x 3.1			9.7	25.4	19,730	3,213		Sample by manufacturer.
17	Welsh, Gloninger and Maxwell	Red iron shale	9.1 x 4.1 x 3.5	.079	130.5	10.4	18.6	13,000	1,952	2.6	From fish market, Sample City Engineer
19	Higley, Keplinger & Co., Canton, Ohio		3.4 x 4 x 8.6	.083	116.9	9.7	18.6	19,460	3,186		Sample by manufacturer
21	Welsh, Gloninger & Maxwell	Red iron shale	9 x 4 x 3½	.079	126.0	10.	22.3				Sample by manufacturer.
22	Higley, Keplinger & Co., Canton, Ohio	Iron rock block	8.5 x 4 x 3.4	.076	125.6	9.6	16.2	19,110	31,200	1.6	Sample by manufacturers.
24	Johnsonburg Brick Co., Johnsonburg, Pa		8.6 x 4.1 x 2.4	.081	84.6	6.9	23.2	12,580	2,744	1.7	
25	Johnsonburg Brick Co., Johnsonburg, Pa		8.7 x 4.0 x 2.6	.083	90.4	7.5	26.6	11,400	2,450	1.6	
27	Frederick Brick Works, Frederick, Md	Light red	8.6 x 4.1 x 2.4	.073	84.6	6.2	48.7	8,890	1,960	9.5	Sample by manufacturer.
28	Clearfield Clay Co., Clearfield, Pa	Light color, wire cut	3.3 x 3.9 x 9.2	.075	118.4	8.9	*26.1	12,613	2,221	1.8	*Bricks not uniform hardness—S[illegible] Engineer—150 bricks from cut
29	Montello Brick Co., Reading, Pa		8.4 x 4.0 x 2.7	.081	90.7	7.4	19.2	11,105	2,328	2.7	Sample by manufacturer.
30	Eastern Paving Co., marked Catskill Block	Red Clay	9.3 x 4.0 x 3.2	.069	119.0	9.3	26.4	13,460	2,328	1.3	Sample by manufacturer.
31	A. M. Slingluff, et. al., Baltimore	Dark red	8.8 x 3.9 x 3.1	.083	106.3	8.9	16.0	14,170	2,700	1.9	Sample by manufacturer.
32	Welsh, Gloninger & Maxwell	Wire cut, iron shale and fire clay	9.2 x 4.05 x 3.0	.079	111.7	8.9	21.2	14,148	2,559	2.1	Sample from carload. Bricks [illegible]
33	Clearfield Clay Co., Clearfield, Pa	Light colored, repressed	9.0 x 4.05 x 3.03	.078	110.4	8.7	21.5	14,467	2,562		Sample by manufacturer
34	Townsend Block, Zanesville, Ohio	Vitrified iron shale	9.1 x 4.1 x 3.0	.076	111.9	8.8	21.6	18,313	3,344		Sent by W. W. Clark, Baltimore.
35	Guise Block, Williamsport, Pa	Vitrified red shale	9.0 x 4.1 x 3.1	.080	111.3	9.2	24.6	16,716	2,930		Sample by manufacturer
36	Mack Paving Block, New Cumberland, W. Va	Light colored shale	9.25 x 4.0 x 3.2	.079	118.4	9.3	17.6	14,234	2,465		
37	McMahon Porter & Co., New Cumberland, W. Va.	Light colored shale				6.7	33.6				Only 5 specimens [illegible]
38	Hamburg Re-pressed Pavers	Red iron shale, vitrified				6.6	55.8				Only 6 specimens [illegible]
39	Mack Manufacturing Co., New Cumberland, W. Va	Wire Cut fire clay				6.6	23.1				Only 6 specimens [illegible] to 10 per cent. Sample by manufacturer.
40	" " " " " "	Repressed paving brick				7.2	17.0				
41	" " " " " "	Light buff blocks	9.25 x 3.9 x 3.1	.082	111.8	9.2	18.7				Sample by City Engineer from carload.
42	J. L. Higley, Canton, Ohio	Dark red, side cut, vitrified shale	8.7 x 3.8 x 3.4	.082	112.2	9.3	19.8				Sample by manufacturer.
43	Higley, Keplinger & Co., Canton, Ohio	Iron rock block, dark red	8.5 x 4 x 3.4	.084	115.6	9.8	16.3				Sample by manufacturer.
44	D. P. Guise, Williamsport, Pa.	Dark red, vitrified shale	8.4 x 4.2 x 2.6	.080	91.7	7.5	34.2				Sample by manufacturer.
45	Athens Brick Co., Athens, Ohio	Dark red, vitrified iron shale	9.0 x 4.0 x 3.2	.079	115.2	9.2	20.0				Sample by manufacturer.
46	Montello Brick Co., Reading, Pa	Light red shale				7.0	26.1				Sample by manufacturer
47	Montello Brick Co., Reading, Pa	Dark red shale, vitrified pavers				7.0	21.2				Sample by manufacturer
48	Nelsonville Sewer Pipe Co., Nelsonville, Ohio	Dark brown, glazed, vitrified shale	9.2 x 4.0 x 3.3	.080	121.4	9.8	18.7				Sample by manufacturer.

VITRIFIED BRICK TESTS.

The growing demand for vitrified brick in Baltimore for street paving and the lack of appliances for making tests led to a conference with Dr. William Bullock Clarke, State Geologist, the result of which was that a standard rattler, recommended by the National Brickmakers' Association, and an apparatus for measuring the cross-breaking strength of brick has been put in the laboratory of the Highways Division of the Maryland Geological Survey, and Mr. A. N. Johnson, Highway Engineer, has made a large number of tests of brick for this Department, which are given in the table below.

The work that Dr. Clarke and Mr. Johnson have done for this Department has been appreciated, and has helped to put the selection of street-paving brick on a more rational basis than heretofore. These tests will be of great value, as the number of them increases, and the results obtained are compared with the results of actual wear on the streets. The following are the details of the test made and the results obtained:

DETAILS OF TESTS.

Rattler test is the standard test recommended by the National Brickmakers' Association, viz.: Length of rattler, inside, 20 inches; diameter, inside, 28 inches; 14 sides; space between sides, ¼ inch wide; number of revolutions, 1,800; speed, 30 per minute; weight of cast-iron shot, 300 pounds; 225 pounds of 1½ inch cubes; 75 pounds of 4½x2½x2½ inches; amount of brick for a test, 10 per cent. of volume of the cylinder, using nearest number of whole brick.

Cross-breaking Test.—Brick placed on knife edges 6 inches between centers. These knife edges are cylinders with one-half inch radius. Pressure is applied midway between the two lower knife edges by single knife edge having circular cross-section of one inch radius and longitudinal curvature of 12-inch. radius. Brick tested in the same position as when placed in pavement. The total cross-breaking strength is the

actual number of pounds required to break the brick. The modulus of rupture is computed from the formula.

$R = \frac{3}{2}\frac{W\ L}{A\ D}$ where R = modulus of rupture; W = breaking load (in pounds); L, length between supports (in inches); A = area of cross-section (in square inches); D = depth of brick (in inches); formula applicable to rectangular cross-sections only.

Absorption test, made on brick which have passed through the rattled test and are thoroughly air dried. Immersed in water for forty-eight hours, surplus water removed by blotting paper, brick weighed before and after immersion. The amount of water absorbed given in per cent. of weight of dry brick.

The appended table shows all the brick tests made by Mr. Johnson up to and including those made of samples submitted with bids for 1901.

In the office estimates have been made of the cost for grading, paving and kerbing a large number of streets; specifications for street paving have been written; assessment sheets made up for street improvements; 808 bills intriplicate examined and passed; the cost of each job of work kept and recorded in a book; examinations and reports made on structural plans submitted to this Department; a map of the city showing the public streets of record has been posted, and another showing all the improved pavements in colors have been kept up.

In conclusion I wish to record my appreciation of the work done by all the force under my direction, and especially that done by Messrs. James A. Paige and Frank K. Duncan, Assistant Engineers, and Mr. Thomas C. Harris, Draughtsman, to whose energy and efficiency the credit of the work in my Department is largely due.

Respectfully submitted,

O. W. Connet,
Assistant City Engineer.

REPORT OF

NEWTON M. GRAY, Ass't. City Engineer.

1900.

CITY ENGINEER'S OFFICE,

BALTIMORE January 1, 1901.

MR. B. T. FENDALL,

City Engineer.

SIR—I beg to submit the following report relative to the construction and repairs of sewers and inlets for the year ending December 31, 1900.

NEW SEWERS.

BURGUNDY-ALLEY SEWER.

Ordinance No. 140, of January, 1899, and Ordinance No. 5, of October, 1899.

Ordinance No. 140, approved January 11, 1899, provides for the construction of a sewer in Burgundy alley, from south Greene street to Fremont avenue, and appropriates the sum of $2,000 to pay the cost of the same. In pursuance of said ordinance the work was commenced on May 3, 1899, and continued until June 31, following, and was then suspended, the appropriation having become exhausted. See report of the City Commissioner for the year 1899. By Ordinance No. 5, approved October 18, 1899, the sum of $1,000 was appropriated to provide for the completion of the sewer in Burgundy alley. The construction of this sewer was resumed on May 4, 1900, and completed as far as the intersection of Burgundy alley and Warner street on July 6, following. The work was not continued beyond Warner street, as the appropriation was not sufficient for that purpose. The Burgundy-alley sewer consists of a 30-inch terra-cotta pipe, extending in the bed of Burgundy alley, from Warner street to Fremont avenue, and connecting with the Fremont-avenue sewer, with inlets and connecting-chamber at Warner street,

and manholes at Warner street and Fremont avenue. Between the 3d of May and 31st of June, 1899, a section of this sewer, 160 feet in length, was constructed from Fremont avenue eastward in Burgundy alley, at a cost of $1,940.56, as given in the report referred to above. The section commenced on the 4th of May and completed on the 6th of July, 1900, is 298 feet in length, and was constructed at a cost of $1,055.52, including inlets, connecting-chamber and manhole. The 30-inch pipes remaining on hand after the work was suspended, June 31, 1899, were hauled from the city yard and used in the construction of the section last described.

Section constructed in 1900—

Excavation, including timbering and refilling, 473 cu. yds. at $1.03	$487 19
Laying pipe, including sand, cement, etc., 298 lin ft. at $0.27	80 46
Hauling pipe from city yard to work	32 75
Inlets, connecting-chamber and manhole	256 50
Hardware, tools, etc	29 37
Foreman	102 75
Repaving	66 50
	$1,055 52
Section constructed in 1899	1,940 56
Total cost of work from Fremont ave. to Warner st	$2,996 08
Total amount appropriations	3,000 00
Balance	$3 92

The first section of the Burgundy-alley sewer, constructed between May 3 and June 31, 1899, is 160 feet in length, and the cost of the labor employed in its construction, as given in the report of the City Commissioner for 1899, was $690.86. Hence the cost per linear foot of sewer for labor alone was $4.32. The second section of this sewer, commenced on May 4, and completed on July 6, 1900, is 298 feet in length, and the amount expended for labor employed in its construction was $655.60, which is equivalent to a cost of $2.20 per linear

foot of sewer constructed. The average depth of the excavation in the first section was 11.0 feet, and in the second section the average depth was 9.0 feet. This difference in depth makes a difference of about 0.33 of a cubic yard of excavation per linear foot of trench, or a difference of about 50 cents per linear foot in the cost of excavation in the two cases; and in comparing the cost of construction of the first section with the cost of construction of the second section, this difference has to be considered. The following is the equitable comparison of cost in the two cases:

First section—	
Cost of construction per linear foot of sewer	$4 32
Amount to be deducted on account of excess in quantity of excavation	50
	$3 82
Second section—	
Cost of construction per linear foot of sewer	2 20
Difference in cost per lin. ft. for equal depth of excavation	$1 62

This difference in the cost per linear foot is equivalent to an excess of 74 per cent. in the cost of construction of the first section as compared with the cost of construction of the second section, the character of the work being the same in both cases.

WEBSTER-STREET SEWER.

Ordinance No. 51, Approved April 23, 1900.

This sewer consists of a 30-inch terra-cotta pipe, extending in the bed of Webster street, from Clement street to a dock at the water front, with inlets at Clement street. The work was commenced on May 15 and completed on June 30, 1900,

Quantities and Cost:

Excavation, including refilling, 350 cu. yds. at $0.36	$126 00
Terra-cotta pipe, 30-inch, 357½ lin. ft. at $2.75	983 13
Laying pipe, including sand, cement, etc., 357½ lin. ft. at $0.27	96 53
Inlets	335 00
Head-wall and chute	32 60
Hardware, tools, etc	34 18
Foreman	123 00
Total	$1,730 44
Appropriation	$1,950 00
Balance	$219 56

SEWER IN CATHEDRAL STREET.

Ordinance No. 52, Approved April 23, 1900.

This sewer is a short lateral, consisting of a 15-inch terra-cotta pipe, extending in Cathedral street from Tyson alley to Eager street, and connecting with the sewer in Eager street, with an inlet at Tyson alley. The work was commenced on July 18 and completed on August 7, 1900.

Quantities and Cost:

Terra-cotta pipe, 15-inch, 232 lin. ft. at $0.43¾	$101 50
O'Brien inlet	24 00
Bricks, cement and sand	28 59
Labor, hauling, etc	175 40
Hardware, tools, lumber, etc	3 17
Repaving	38 67
Total	$371 33
Appropriation	500 00
Balance	$128 67

BARCLAY-STREET SEWER.

Ordinance No. 29½, Approved December 30, 1899—Improvements in and Additions to Drainage System.

The Barclay-street sewer begins at the intersection of Barclay street and Merryman avenue, and extends southward in Barclay street 680 feet to the ten-foot alley between Thirty-first and Thirty-second streets; thence westward in said alley 109½ feet to a stone culvert, with which it connects. This sewer is built of brick, and is circular in form throughout, with a diameter of 3 feet 6 inches between Merryman avenue and Thirty-second streets, and a diameter of 4 feet between Thirty-second street and the stone culvert mentioned above. The old wooden-box sewer in Merryman avenue, extending from the York road to Barclay street, was connected with the new sewer. A new inlet to the sewer was built on the west side of Barclay street, at Merryman avenue, and two old inlets on Barclay street, at the ten-foot alley mentioned above, were reconstructed and connected with the new sewer. Three manholes to the sewer were constructed—one near the ten-foot alley, a second at Thirty-second street, and a third at Merryman avenue, a distance of about 300 feet apart. A 30-inch terra-cotta pipe, laid about two years ago in the ten-foot alley, and in Barclay street to a point about midway between said alley and Thirty-second street, which had proven to be of insufficient capacity, was taken up to make way for the new work, and was afterwards used to form part of the pipe-sewer laid in Mosher street, between Carey and Calhoun streets. The work on Barclay-street sewer was commenced on July 30 and completed on December 14, 1900.

Quantities and Cost:

Excavation, including timbering and refilling, 1,696 cu. yds. at $1.52	$2,577 92
Stone masonry, 134 cu. yds. at $6.07	813 38
Brick masonry, 312 cu. yds. at $10.48	3,269 76
Manholes, including covers, etc	90 15

New inlets constructed	$175 00
Old inlets reconstructed	50 00
Changing location of water main	311 38
Rent of room for storage of cement	23 80
Hardware, tools, centers, etc	220 84
Foreman	444 28
Watchman	250 00
Repaving	119 80
Total	$8,346 31

SEWERS IN CALHOUN STREET, RIGGS AVENUE AND MOSHER STREET.

Ordinance No. 29½, Approved December 30, 1899—Improvements in and Additions to Drainage System.

The sewer in Calhoun street is an extension of the old Calhoun-street sewer. This sewer consists of a 30-inch terra-cotta pipe, extending in Calhoun street from Mosher street to Riggs avenue, with inlets and manholes at Riggs avenue.

The sewer in Riggs avenue is a lateral connecting with the 30-inch pipe in Calhoun street. This sewer consists of a 20-inch terra-cotta pipe, extending in Riggs avenue from Calhoun street to Carey street, with inlets and manhole at Carey street.

The sewer in Mosher street is a lateral connecting with the old Calhoun-street sewer. This sewer consists of a 30-inch terra-cotta pipe, extending in Mosher street, from Calhoun street to Carey street, with inlets and manhole at Carey street; a portion of the sewer in Mosher street, 179 feet in length, was constructed with pipes taken up in Barclay street to make way for the new sewer which was built in that street.

The sewers described above will afford long deferred relief to the section which they drain, more especially to that portion lying in, and adjacent to, the intersection of Calhoun and Mosher streets, which has heretofore been subjected to overflow during heavy downpours of rain.

The work was commenced on October 9, 1900, and completed (with exception of the inlets at Carey street and Riggs avenue, and the repaving along the line of the work), on December 31st following.

Quantities and cost:

Excavation, including timbering and refilling, 1,200 cubic yards, at $1.26	$1,512 00
Sewer pipes, 30 in. diam., 565 lin. ft., at $3.30	1,864 50
Sewer pipes, 20 in. diam., 374 lin. ft., at $0.78¾	294 53
Laying pipes, including cement, sand, etc., 1,118 lin. ft., at $0.26	290 68
Inlets, including 15-in., 20-in. and 24-in. pipe connections	1,172 25
Connecting chambers and manholes	250 00
Hardware, tools, hauling, etc	176 46
Foreman	268 12
Watchman	90 00
	$5,918 54

Pipes left over at completion of sewer:

30-inch pipes, 46½ lin. ft., at $3.30	$153 45	
24-inch pipes, 6 lin. ft., at $1.13¾	6 83	
20-inch pipes, 8 lin. ft., at $0.78¾	6 30	
		$ 166 58
Total amount expended to December 31		$6,085 12

SEWER IN GRANT STREET.

Ordinance No. 29½ approved December 30, 1899—Improvements in and Additions to Drainage System.

The 8-inch terra-cotta pipe laid about two years ago in Grant street, from German street to the lateral alley north of said street, having been a source of continual trouble and expense on account of its liability to become obstructed, was taken up and replaced by a 12-inch terra-cotta pipe, and the 12-inch pipe was continued in the lateral alley mentioned as far as the east side of Light street. The rain-spouts and

waste-water pipes, which formerly discharged upon the surface, were connected with the 12-inch pipe. This pipe was laid in concrete. Total length of pipe, 300 feet. The work was commenced on November 14 and completed on December 15, 1900.

Cost of the above:

Terra-cotta pipes, 12 in. diam., 270 lin. ft. at $0.25½	$ 68 85
Terra-cotta pipes, 12-in. branches, 15 pieces, at $1.35	20 25
Terra-cotta pipes, 6-in. bends, 2 pieces, at $0.23	46
Cement, sand and broken stone	86 36
Hardware, tools, lumber, etc	17 40
Labor, hauling, etc	389 79
Repaving	137 23
Total	$720 34

IMPROVEMENTS IN SCHROEDER'S-RUN SEWER.

Ordinance No. 26½, Approved December 30, 1899—Improvements in and Additions to Drainage System.

Two sections of Schroeder's-run sewer located under private property, built originally in the form of open rectangular channels, and subsequently covered by buildings, were inclosed by concrete arches constructed within the rectangular sections. One of these sections extends from Baltimore street to a ten-foot alley 92 feet north of said street, and lies parallel to, and about 50 feet west of, Schroeder street. The other section, 31 feet in length, lies on the south side of Lombard street, about 50 feet west of Schroeder street. To facilitate the handling of materials and the construction of the concrete arches, and to bring the cost of the work within reasonable limits, the ground floors and partitions of the houses standing over the sewer were removed, and as these floors and partitions had become seriously injured by steam, arising from hot water discharged into the sewer from a neighboring ice manufactory, they were replaced by new floors and partitions.

In the ten-foot alley mentioned above the sewer was covered with a bridge of Georgia pine lumber.

Section North of Baltimore Street—8 feet wide and 4 feet high.

Concrete arch, 53 cu. yds. at $8.00	$424 00
Sand backing, 36 cu. yds. at $0.70	25 20
New floor and partition	159 45
New bridge in ten-foot alley	51 60
Hardware, tools, centers, lumber, etc	224 61
Foreman	140 00
Total	$1,024 86

Section South of Lombard Street—9 feet wide and 6 feet high.

Concrete arch, 36 cu. yds. at $8.75	$315 00
Sand backing, 12 cu. yds. at $0.70	8 40
New floors and partitions	150 00
Hardware, tools, centers, lumber, etc	82 20
Foreman	70 00
Total	$625 60

SEWER IN MOUNT, COLE AND GILMOR STREETS.

Ordinance No. 29½, Approved December 30, 1899—Improvements in and Additions to Drainage System.

This sewer, when completed, will extend in Mount street, from Ramsay street to Cole street; thence in Cole street to Gilmor street; thence in Gilmor street to the property of the Baltimore and Ohio Railroad Company; thence on said property to a sewer which discharges within Carroll Park. This sewer will consist of a 30-inch terra-cotta pipe throughout. No work has been done as yet, but the pipes have been ordered and 960 linear feet of the same delivered.

Cost of pipes, 960 lin. ft. at $3.30	$3,168 00
Proportion charged to appropriation for 1900	311 11
Balance to be paid out of appropriations for 1901	$2,856 89

NEW INLETS TO EXISTING SEWERS.

INLETS TO MOSHER-STREET SEWER.

Ordinance No. 63, approved June 16, 1900.

The above-named ordinance provides for the construction of inlets to the Mosher-street sewer at the northwest and southwest corners of Mt. Royal avenue and Mosher street, and at the southeast corner of Mosher and Rutter streets. An examination of the conditions of drainage in the locality in question led to the conclusion that an inlet at the northwest corner of Mt. Royal avenue and Mosher street would not be required, and the proposed inlet at that point was abandoned.

An ordinary side inlet was constructed on the eastside of Rutter street, near the south building-line of Mosher street, and an O'Brien cast-iron trap was placed at the southeast corner of Mosher and Rutter streets. Both of these inlets connect with a 24-inch terra-cotta pipe, 94 feet in length, which extends in Mosher street from Rutter street to the manhole over the Mosher-street sewer, between Rutter street and Mt. Royal avenue. An inlet was also constructed at the southwest corner of Mosher street and Mt. Royal avenue, and covered with an iron grate, set at the level of the asphalt pavement. This inlet connects with the manhole mentioned above by means of a 15-inch terra-cotta pipe, 68 feet in length. The work was commenced on September 6, and completed on October 9, 1900.

Quantities and cost:

Terra-cotta pipes,	24-inch,	94	lin. ft., at	$1.13¾	$106 93
" "	20-inch,	20	"	0.78¾	15 75
" "	15-inch,	68	"	0.43¾	29 75
" "	12-inch,	10	"	0.25½	2 55
Bricks, cement and sand					92 84
Covering flags and kerb					52 83
O'Brien inlet					24 00
Iron inlet grate and pattern					30 57

Hardware, tools, lumber, etc	$ 14 88
Labor, hauling, etc	462 96
Repaving	75 12
Total	$ 908 18
Appropriation	1,200 00
Balance	$291 82

INLET TO MOSHER-STREET SEWER.

Ordinance No. 132, approved December 8, 1899.

In December, 1898, and January, 1899, a 16-inch cast-iron drop-pipe, 42 feet in depth, was put in at what is now the intersection of Mosher street and Malster avenue, and connected with the Mosher-street sewer. See report of the City Commissioner for the year 1899. During the month of November, 1899, an inlet was constructed at the southeast corner of Mosher street and Malster avenue, and connected with the drop-pipe referred to above.

Cost of drop-pipe as given in the City Commissioner's report for 1899	$593 62
Cost of inlet built in November, 1900	97 01
Total	$690 63
Amount of appropriation	800 00
	$109 37

INLET TO STOCKHOLM-STREET SEWER.

Ordinance No. 166, approved November 2, 1896.

An inlet was constructed at the southwest corner of Stockholm and Carroll streets, and connected with the sewer in Stockholm street.

Cost of the above	$122 98

INLET TO BRICE-ALLEY SEWER.

Ordinance No. 20, approved March 23, 1898.

An inlet, connecting with the Brice-alley sewer, was constructed at Brice alley and Lafayette avenue.

Cost of the above	$229 82

In addition to the above-described inlets, new inlets were constructed at the following-named points, and the cost of the same was charged to "Improvements in and Additions to Drainage System," Ordinance No. 29½, approved December 30, 1899.

Northwest corner of Pratt and Charles streets, Northwest " " " Hanover " Southwest " " " Hanover " Northwest " " " Sharp "		$1,054 66
Northwest "	Broadway and Townsend st	88 60
Southwest "	Malster ave. and McMechen st	178 60
Southwest "	Carrollton ave. and Saratoga st	168 33
Southwest "	Cathedral st. and Tyson alley	69 48
Northwest " Southwest "	Division and Bloom sts.	311 06
Northside of Lexington street, at Gwynn's Run Southside " " " " " "		174 73
Total		$2,045 46

REPAIRS OF SEWERS.

Ordinance No. 29½, Approved December 30, 1899.

RECONSTRUCTION OF CENTRAL-AVENUE SEWER.

An examination of the sewer in Central avenue, made during the early part of the year, led to the discovery within a portion of this sewer of conditions of insecurity which called for immediate remedy. The portion of the sewer referred to extends in Central avenue from Lombard street to a point 51 feet south of Bank street, and consists of a flat segmental arch of rubble masonry, sidewalls of rubble masonry, and pavement of ordinary cobble-stones, with inside dimensions as follows: Span of arch, 20 feet; rise of arch, 3 feet; height of sidewalls, 18 inches; total height at centre, 4 feet 6 inches. Within the portion of the sewer in question evidences of weakness and instability, due to defects in the form and construction of the sewer, were discovered and carefully noted,

It was found that the arch, in many places and for long distances, had settled, and had become flattened and distorted to an extent sufficient to indicate that the limit of safety had been reached, and to lead to the conclusion that, under conditions of ordinary traffic, a collapse of the structure would in all probability take place in the near future. The reconstruction of this sewer, comprising the removal of the old stone arch and cobble-stone pavement, and the construction of a new sewer on the lines of the old sewer having been decided upon, the work was commenced on July 30 at the point 51 feet south of Bank street, mentioned above. The sewer south of the point named is comparatively new, having been built about eighteen years ago to replace an older section similar in construction to the old stone sewer described above. Its inside dimensions are as follows: Span of arch, 16 feet 6 inches; rise of arch, 4 feet; height of side walls, 17 inches; total height at centre, 5 feet 8 inches. The pavement in this section is depressed or "inverted" at the centre to a depth of 3 inches. The sewer now in process of construction is so designed as to coincide in its internal form and dimensions with the section last described. The new sewer consists of an arch of brick masonry 18 inches in thickness, supported by concrete skewbacks, and balanced and stiffened by a heavy backing of stone masonry; side walls or abutments of brick masonry, 21 inches in thickness and 2 feet in height, built parallel to, and in contact with, the side walls of the old sewer, upon concrete foundations 2 feet in width and 1 foot 6 inches in depth, and a pavement or "invert" of vitrified brick, laid on a concrete base from 3 to 5 inches in thickness. All the stone used in the backing of the new arch was obtained from the old arch, and a portion of the stone thus acquired was broken up and used in making concrete for the foundations. The difference in the widths of the old and new sewers, as shown above, is 3 feet 6 inches. This difference in width makes it practicable to construct the new sewer, as designed, within the space between the side walls

of the old sewer. The cost of taking out and reconstructing the side walls of the old sewer is thus avoided, and the old masonry remaining in place is incorporated with the new work and made to form a part of the complete design. As the work progressed further and more clearly defined, evidences of weakness and instability in the old arch were discovered. On more than one occasion a section of the arch gave way and fell under the stress of comparatively insignificant weights.

The design and construction of the old sewer are, in general, extremely defective; the arch-stones, themselves insufficient in depth, were laid in lime-mortar, of evidently inferior quality; and the arch was left without the usual and necessary backing of masonry. When the condition of the old arch is considered, it is difficult, if not impossible, to account for its having existed to the present time without giving way at one or more points. The area of the new sewer is only 7 per cent. greater than that of the old sewer, but the capacity of the new sewer, owing to its superior height and smoothness of surface, is nearly 60 per cent. greater than the capacity of the old sewer. The work was suspended on December 31, in anticipation of cold weather, during the prevalence of which no work involving the use of cement can be done with safety. Between the starting point and the north side of Bank street the progress of the work was impeded by the railway tracks in Bank street, which prevented the use of hoisting machinery, and by other obstructions which were encountered, but from Bank street to the point at which the work was suspended, the use of hoisting apparatus being practicable, the progress made was both rapid and satisfactory.

Quantities and cost:

Removal of old arch and its covering of earth, excavations for foundations, and refilling over new arch, 2,360 cubic yards, at $1.55	$ 3,658 00
Brick masonry, arch and side walls, 495 cu. yds., at $7.93	3,925 35
Invert, vitrified brick, 640 sq. yds., at $2.01	1,286 40

Stone masonry (cement, sand and labor), 630 cu. yds., $2.85...	$1,795 50
Concrete, foundations and skewbacks, 210 cu. yds., at $6.00...	1,260 00
Hardware, tools, centers, cement shed, lumber, etc	714 43
Foreman	582 00
Watchman	332 00
Total cost of work to December 31, 1900	$13,553 68

Charges:

Repairs of sewers, appropriation of 1900	$10,470 50
Improvements in and additions to drainage system, appropriation of 1900	2,918 59
	$13,389 09
Repairs of sewers, appropriation of 1901	164 59
	$13,553 68

REPAIRS IN M'KIM-STREET SEWER.

The section of the McKim-street sewer, which extends through private property from Madison street to Monument street, was repaired. This section is a rectangular drain, 4 feet wide and 3½ feet high, with side walls of rubble masonry. Portions of this sewer were originally covered with planks. The old cover, which had become rotten and unserviceable, was removed and replaced, in part by a new cover of 3-inch Georgia pine and in part by old iron gutter-plates. At a point in the sewer where no pavement or floor existed, a brick invert was laid.

The repairs referred to were made at a cost of $223.34, charged to repairs of sewers.

The work mentioned below was done prior to the date of my appointment:

LEE-STREET SEWER.

Ordinance No. 179, approved March 27, 1899.

Cost of test-holes for ascertaining character of ground	$71 16

EAGER-STREET SEWER.

Ordinance No. 204, approved May 1, 1899.

Cost of repaving and cleaning up	$365 89

HARRIS'-CREEK SEWER.

Ordinance No. 123, approved November 26, 1898.

Inlet at Fairmount ave. and Chesapeake st	$240 65

INLETS REPAIRED.

Inlets at the points named below were repaired and the cost of the same charged to "Repairs of Sewers" and "Improvements in and Additions to Drainage System," Ordinance No. 29½, approved December 30, 1899:

Mosher street	$ 65 74
Calhoun street and Lafayette avenue	95 93
St. Peter and Paca streets	463 75
Calhoun and Mosher streets	248 93
Burgundy alley and Fremont avenue	28 08
Penn and Dover streets	18 25
Pennsylvania avenue and Brunt streets	28 37
Charles and Twenty-third streets	16 45
Central avenue and Mullikin street	23 24
Boston and Leakin streets	17 24
Lombard and Ann streets	23 24
Cross and Covington streets	23 24
Liberty and Fayette streets	88 88
East Lombard street, near Wolfe	38 65
South Broadway, below Thames street	32 28
Boston and Leakin streets	23 24
Central avenue and Stiles streets	23 25
Gay street, near North avenue	16 09
Pratt and Frederick streets	15 62
Carey street, south of Baltimore street	15 62
Smallwood street and North avenue	15 62
Eager and Washington streets	15 13
Harlem avenue and Calhoun street	80 62
Lanvale and Calhoun streets	130 95
Calvert and Saratoga streets	57 78

Myrtle avenue and Saratoga streets	$ 33 27
Calhoun street and Edmondson avenue	494 20
Wolfe street and Fairmount avenue	23 67
Cross and Race streets	23 25
Cross and Hanover streets	23 25
Patapsco and Fayette streets	30 87
West and Race streets	30 87
Eager street, near Valley street	31 29
Biddle and Tessier streets	307 89
Fifth lane and Jackson street	15 62
Wayne street	15 62
Castle and Townsend streets	26 27
Calhoun street, near Harlem avenue	210 46
Calhoun and Lanvale streets	19 75
Hoffman street, near Milton avenue	32 18
Chester and Townsend streets	45 02
Eager and Buren street	22 01
Broadway and Lancaster street	21 59
Preston street and Milton avenue	15 62
Front of 1761 North Gay street	28 38
Madison and Gay streets	25 45
Lexington street and Bridge	14 80
Monument and Spring streets	31 75
Valley and Eager street	21 53
Pratt and Frederick streets	21 59
Central avenue and Lexington streets	21 82
Central avenue and Pratt street	14 80
Federal and Chapel streets	28 39
Penn and German streets	39 45
Dolphin street and Mt. Royal avenue	43 76
High and Low streets	16 53
Mill and Pratt streets	14 80
Wolfe and Eager streets	22 00
Little Greene and Wayne streets	21 59
Pine and Vine streets	14 79
Eastern avenue and Albemarle street	26 68
Gough and Regester street	48 31
Wolfe and Federal streets	28 37
Bath and Davis streets	71 76
Madison and Buren streets	38 73
Fremont avenue and George street	54 98
North and Saratoga streets	37 85
Mulberry street and Hargrove alley	50 16

Central avenue and Cochran alley	$23 00
Central avenue and Eastern avenue	20 65
Monroe street and Wilkens avenue	14 92
Central avenue and Baltimore street	14 92
Pratt street and Holland alley	11 46
Pratt street and Cheapside	13 00
Eager and Chester streets	28 60
Charles street and Centre alley	16 91
Front and Low streets	13 87
Montford avenue and Boston street	13 92
Hudson and Boston streets	14 93
Mill and Locust streets	14 92
Caroline and Federal streets	21 84
Caroline and Aliceanna streets	37 66
Forrest and McElderry streets	14 92
Mulberry street and Hargrove alley	49 84
Cross and Hanover streets	376 05
Cross and Race streets	34 33
Bath and Front streets	158 21
Bath and Holliday streets	154 54
Caroline and Aliceanna streets	29 71
High and Low streets	18 38
Lancaster street and Broadway	25 92
Eager street, near Broadway	30 41
North Eden street, rear of No. 633	37 65
Forrest and McElderry streets	14 92
Eden street, near McElderry street	16 75
Hopkins avenue and Biddle street	13 08
Point and Philpot streets	14 92
Central avenue and May street	15 47
Hillen and Front streets	85 23
Hillen and Rogers avenue	62 61
Mott and Ensor streets	70 03
Mott street in front of No. 407	28 00
Mott and Gay streets	38 53
Broadway and Barnes street	67 52
Fremont avenue and Pratt street	122 68
Baltimore street and Bridge inlet	20 72
Pine and Lexington streets	15 82
Vine and Arch streets	16 76
Fayette and Arch streets	27 05
Pine and Vine streets	10 75
Penn alley and Arch street	36 65

Josephine and Arch streets	$28 01
McMechen street and Mason alley	56 23
Saratoga street and Myrtle avenue	140 86
Grant-street sewer	63 29
North avenue and Gay street	12 65
Mosher street and Rutter alley	15 47
Stockholm street	15 17
Baltimore and Calhoun streets	91 92
Baltimore and Carey streets	174 07
Monument street and Montford aveuue	52 81
Monument and Port streets	40 41
Broadway and Barnes street	84 38
Washington and Eager streets	75 93
Myrtle avenue and Pierce street	31 05
Light and Pratt streets	16 50
Myrtle avenue and Mulberry street	30 25
Arch and Saratoga streets	36 76
Wolfe and Eager streets	96 11
Myrtle avenue and Pierce street	21 70
Maryland avenue and Bridge	13 70
Fayette and Arch streets	16 17
Vine street, near Pine street	27 58
Baltimore street and Market Space	39 22
Lexington and Arch streets	15 39
Druid Hill avenue and Laurens street	36 13
Race-street sewer	18 35
Lexington and Carey streets	79 73
Saratoga and Carey streets	76 22
Wolfe and Eager streets	51 76
Chappel and Eager streets	33 09
Chester street and Ashland avenue	31 64
Barnes street and Hopkins avenue	85 32
Barnes and McDonogh streets	185 08
Lexington street and Arlington avenue	34 25
Baltimore and Schroeder streets	91 12
Saratoga and Calvert streets	38 83
Pearl and Frankiin streets	23 68
Gay and Mott streets	14 92
North and Saratoga streets	22 44
Pennsylvania avenue and St. Mary street	30 76
North avenue and Oak street	12 42
Hoffman street and Wilmer alley	22 74
Franklin and Woodyear streets	24 50

Chase street and Hopkins avenue	$58 59
Central avenue and Orleans street	21 97
Chestnut street, in front of No. 131	44 65
Lombard and Schroeder streets	17 64
Pine and Lexington streets	13 56
McMechen street and Morris alley	101 14
Pennsylvania and Lafayette avenues	45 13
Lanvale street and Pennsylvania avenue	28 66
Pine and Josephine streets	11 75
Central avenue and Gough street	18 67
Central avenue and Lombard street	50 75
Hopkins avenue and Biddle street	39 69
Hopkins avenue, near Biddle street	104 18
Biddle and Wolfe streets	21 20
Chase street and Hopkins avenue	19 00
Gay and Wolfe streets	19 00
Pennsylvania avenue and Lanvale street	40 63
Pennsylvania avenue and Dolphin street	76 83
Pennsylvania avenue and Orchard street	42 97
Light and Lee streets	28 30
Preston and Gay streets	23 00
Chase and Ensor streets	14 95
Washington and Lanvale streets	57 68
Orchard and Tessier street	38 17
Pennsylvania avenue, opposite Orchard street	47 17
Tessier and Moor streets	50 05
Lexington and Calvert streets	14 39
Twenty-fourth street and Hunter alley	14 80
Central avenue, near Orleans street	14 86
Chestnut street and Necessity alley	20 93
Pratt and Mill streets	17 43
Arch and Josephine streets	33 77
Jefferson street, near Central avenue	31 56
Bond and Abbott streets	11 90
Lancaster and Caroline streets	16 77
Fayette and Pearl streets	55 93
Hanover and Pratt streets	9 80
Central avenue and Jefferson street	19 14
" " Lexington street	9 86
" " Lombard street	17 26
" " Pratt street	22 47
" " Baltimore street	15 42
Lombard and Eden streets	11 65

Mill and Pratt streets	$15 82
Gay and Caroline streets	12 67
Washington street and Canton avenue	26 17
Saratoga and Holliday streets	27 72
Caroline and Aliceanna streets	23 82
Lanvale and Morton streets	15 94
Boston and Wagner streets	14 05
Fayette and Liberty streets	18 58
Brice alley and Lafayette avenue	117 70
Boston street and Eastern avenue	18 10
Saratoga street and Carrollton avenue	23 64
Central avenue and Baltimore street	11 52
Washington and Lanvale streets	42 75
Fayette and Wolfe streets	100 70
Orleans and Wolfe streets	32 89
Pennsylvania avenue and Mary street	29 48
Franklin and Pearl streets	64 45
McKim street and Ashland avenue	41 32
Gay street and Patterson Park avenue	14 34
East Monument street, near Spring street	22 67
" " and Eden street	25 48
Madison and Caroline streets	17 61
Central avenue and Gough streets	12 17
" " Fawn street	11 00
Howard and Lombard streets	38 79
Charles and Balderson streets	14 50
Light and Balderson streets	15 42
Pratt and Frederick streets	30 65
" Mills streets	12 09
Central avenue and Bank street	29 89
Fairmount avenue and Wolfe street	78 31
Wolfe and Baltimore streets	75 59
Mulberry and Pearl streets	14 74
Edmondson avenue and Pulaski street	15 37
Laurens street and Jordan alley	15 57
Liberty and Lombard streets	11 59
" " Garrett alley	15 32
Washington and Gay streets	32 61
Fremont avenue and Portland street	14 05
Valley and Eager streets	19 41
Gorsuch avenue and Harrison street	15 17
Greenmount avenue and Hoffman street	11 59
Baltimore street and Patterson Park avenue	11 74

Ashland avenue and McDonogh street	$31 40
President and Pratt streets	16 42
Preston street and Jones' Falls	99 50
Baltimore and Wolfe streets	115 17
Baltimore and Durham streets	24 50
Hanover and Hamburg streets	28 00
Greenmount avenue, near North avenue	11 59
Pratt street and Stable alley	59 36
Water street and Jones' Falls	24 88
Myrtle avenue and Saratoga street	51 49
German and Arch streets	81 75
German street and Penn alley	67 09
Baltimore and Durham streets	42 67
Frederick and Pratt streets	23 06
Harrison and Gay streets	27 04
Hanover and Lombard streets	18 82
Eastern avenue and Albemarle street	19 47
" " Falls avenue	16 59
Gay and Saratoga streets, drain	378 76
Calvert and Pratt streets	15 73
Central avenue and Baltimore street	11 59
Hanover and Pratt streets	11 59
Saratoga and Arch streets	20 01
Pine street and Penn alley	26 72
Pine and Lexington streets	28 70
Pine and Vine streets	33 92
Lexington and Arch streets	31 52
Baltimore and Arch streets	48 05
Mt. Royal and North avenues	55 40
Canton and Falls avenues	24 76
Central avenue and Granby streets	13 05
Luzerne street and Foster avenue	13 04
Caroline street and Canton avenue	10 13
Lakewood avenue and Monument street	11 65
Mount and Reese streets	12 59
Aliceanna street and Central avenue	13 40
Exeter street and Hammond alley	49 60
Caroline and Lancaster streets	12 39
Baltimore and Arch streets	62 00
Lexington and Howard streets	32 27
Broadway and Thames street	23 34
Ann and Lombard streets	15 78
Lexington and Liberty streets	11 84

Bank street and Central avenue	$11 94
Exeter street and Hammond alley	51 31
Scott and Ostend streets	74 57
Exeter and Low streets	33 11
Wolfe street and Fairmount avenue	36 99
Wolfe and Federal streets	27 77
Girard avenue and Sherman Place	19 26
Calvert and Pratt streets	27 42
Pratt and Cheapside	12 06
Inspection of sewers	550 90
Wilson and McCulloh streets	19 17
Paca and St. Peter streets	6 15
McKim street and Ashland avenue	6 50
Baltimore and Ann streets	11 25
Hollins and Schroeder streets	5 62
Pratt and Stricker streets	2 40
German and Arch streets	9 75
Pearl and Franklin streets	6 81
Pearl street and Penn alley	33 55
McMechen street and Mt. Royal avenue	62 93
Exeter and Low streets	3 25
Madison street and Morton alley	45 18
Hanover and Hamburg streets	5 00
Andre and Richardson streets	44 46
Light and Barre streets	16 11
Bond and Abbott streets	3 71
Mill and Chestnut streets	3 59
Light and Pratt streets	3 59
Lombard and Liberty streets	3 59
Central avenue and May streets	3 59
" " " Jackson streets	3 59
" " " Cochran alley	7 10
Saratoga and Courtland streets	12 25
Material on hand	25 74
Total	$13,247 92

Charged to "Repairs of Sewers"	$12,903 04
" "Improvements in and Additions to Drainage System"	344 88
	$13,247 92

INLETS CLEARED OF OBSTRUCTIONS.

Inlets located as described below, which had become filled up and obstructed by material washed into them from the streets, were cleaned out by the forces of this Department, and the cost of said work was charged to "Repairs of Sewers," Ordinance No. 29½, approved December 30, 1899:

Webster street, foot of	$ 42 33
O'Donnell and Curley streets	21 17
Albemarle street and Hammond alley	80 75
Hammond-alley sewer	28 66
Liberty and Fayette streets	10 08
George street and Fremont avenue	25 83
Garrett and Beason streets	15 24
Saratoga and Calvert streets	15 65
Mulberry street and Park avenue	7 62
Webster and Clement streets	15 26
Andre and Clement streets	7 62
Light and Pratt streets	15 25
Hanover and Lombard Streets	13 59
North and Saratoga streets	14 84
Mulberry street and Park avenue	9 32
Webster street, foot of	16 80
Beason and Andre street	13 58
Broadway and Eastern avenue	13 58
Milton and North avenues	29 81
Pratt and Stricker streets	4 38
Mulberry street and Park avenue	4 46
Holliday and Lexington streets	3 46
Mulberry and Howard streets	6 92
Saratoga and Calvert streets	6 92
Exeter street and Necessity alley	3 46
Light and Lee streets	10 37
Central avenue and Granby street	3 46
" " " Lombard street	3 46
" " " Pratt street	3 46
Saratoga street, near Gay street	3 46
Light and Pratt streets	3 46
Central avenue and Lexington street	3 05
Mulberry and Howard streets	3 46
Central avenue and Granby street	3 46

Central avenue and Watson street	$3 46
Exeter street and Necessity alley	6 92
Andrea-street pond	23 39
Exeter street and Necessity alley	2 50
Light and Camden streets	5 67
Light and Pratt streets	13 31
North and Saratoga streets	2 22
Saratoga and Mulberry streets	4 42
Saratoga and Pine streets	5 46
Lexington and Eutaw streets	4 39
Chase and Ensor streets	4 87
Hoffman and Wirt streets	7 66
Saratoga and Calvert streets	5 12
Light and Pratt streets	10 71
Fayette and Pearl streets	21 68
Light and Pratt streets	3 79
" " "	10 58
Mulberry street and Park avenue	6 92
Light and Lee streets	11 34
Stricker and Pratt streets	5 81
Pratt and Frederick streets	6 09
Lombard and Ann streets	10 38
Light and Cross streets	9 51
Light and Lee streets	9 51
Front and Low streets	10 50
Exeter and Necessity alley	8 61
Stockholm and Carroll streets	9 39
Mosher street and Malster avenue	116 21
Central avenue and Lombard streets	13 71
Grant-street sewer	13 88
Druid Hill avenue and Retreat street	45 95
Harrison and Gay streets	6 42
Light and Lee streets	6 42
Wolfe and Fayette streets	7 88
Howard and Mulberry streets	7 88
Light and Lee streets	44 96
Mt. Royal avenue and Mosher street	25 60
Albemarle street and Hammond alley	3 59
Front street and Rogers avenue	3 31
South street	4 47
Central avenue and Philpot street	2 56
Saratoga and Calvert streets	2 88
Eastern avenue and East Falls avenue	3 72

Townsend and Castle streets	$3 78
Fayette and Pearl streets	6 64
Bruce-alley drain	11 89
Mulberry and Courtland streets	6 64
Federal and Chapel streets	4 66
Hammond-alley sewer	57 21
Pearl and Fayette streets	1 86
Old York road	5 71
Howard and Mulberry streets	6 76
Eager and North streets	3 59
Calvert and Saratoga streets	3 59
Central avenue and Philpot street	7 77
Arch and German streets	3 59
Andre and Richardson streets	7 17
Garrett street, near Beason street	3 10
Lee and Light streets	3 10
Pratt and Frederick streets	5 66
Central avenue and Lombard streets	1 99
Grant-street sewer	3 17
Light and Lee streets	3 17
Pratt and Frederick streets	5 30
Pratt and Stricker streets	6 77
Washington and Gay streets	7 97
Stricker and Pratt streets	3 59
Aisquith and McElderry street	3 59
Bank street and Central avenue	3 59
Raborg and Arch streets	10 90
Exeter street and Necessity alley	3 59
Luzerne street and Canton avenue	18 51
Mill and Pratt streets	3 59
Frederick and Pratt streets	3 59
Saratoga street and Myrtle avenue	7 17
Lombard and Hanover streets	7 17
Lexington street and Jones' Falls	3 59
Pratt and Frederick streets	3 34
Fayette and Pearl streets	3 34
Pratt and Frederick streets	2 34
Granby street and Central avenue	2 34
Lexington street and Jones' Falls	4 13
Luzerne and Pratt streets	27 78
Light and Lee streets	18 33
Central avenue and Philpot street	4 59
Canton and Lakewood avenues	4 59

Central avenue and Pratt street	$4 59
Mulberry and Howard streets	3 59
Mulberry street and Park avenue	3 59
Central and Canton avenues	4 59
Mulberry street and Park avenue	4 65
Mulberry street and Howard street	3 59
Lanvale street and Fremont avenue	3 89
Eagle street and Addison alley	7 17
Franklin and Courtland streets	7 18
Franklin and St. Paul streets	3 59
Light and Pratt streets	3 59
Light and Barre streets	2 71
Light and Conway streets	3 59
Fayette and Liberty streets	5 27
Calvert and Pratt streets	14 84
Lombard street and Franklin alley	3 59
Pratt street and Market space	3 59
Fayette and Pearl streets	7 17
Exeter street and Necessity alley	3 59
	$1,403 12

INLETS TRAPPED.

At the following named points existing inlets were remodelled and trapped, and the cost of said work was charged to "Improvements and Additions to Drainage System," Ordinance No. 29½, approved December 30, 1899.

Wilson street and McCulloh alley	(One)	$44 84
Baltimore and Schroeder streets	(Three)	210 49
Pennsylvania avenue and Pearl street	(One)	73 76
Pratt street and Arlington avenue	(Two)	127 13
Pearl and Pierce streets	(One)	61 04
Pearl and Mulberry streets	(One)	68 10
Pearl and Saratoga streets	(One)	113 80
Pearl and Bradley streets	(One)	60 03
		$759 19

INLET MANHOLES.

Manholes, designed to facilitate the removal of obstructions, were cut in the covering-stones of the inlets located at the points named below. These manholes were fitted with iron frames and covers. The cost of this work was charged to "Improvements in and Addition to Drainage System," Ordinance No. 29½, approved December 30, 1899.

Howard and Mulberry streets		$13 75
Pratt and Stricker streets	(Two)	26 29
Clay and Howard streets		10 50
Ensor and Chase streets	(Two)	24 25
Valley and Chase streets		12 13
Lombard and Carey streets	(Two)	22 62
Pratt and Carey streets	(Two)	21 50
Pearl and Fayette streets		10 50
Charles street and Mt. Royal avenue	(Two)	21 00
Calhoun and Pratt streets		12 00
Carroll and Stockholm streets		10 50
City Yard (covers not yet used)		19 50
Mosher street and Malster avenue		4 00
Total		$208 54

Respectfully submitted,

NEWTON M. GRAY,

Assistant City Engineer.

REPORT OF

JOHN S. PATTERSON, Ass't. City Engineer.

1900.

DEPARTMENT OF PUBLIC IMPROVEMENTS,

SUB-DEPARTMENT OF CITY ENGINEER,

STREET REPAIRS,

BALTIMORE, January 1, 1901.

MR. B. T. FENDALL,

City Engineer.

SIR—I herewith respectfully submit a report of all work done by your direction and under my supervision for the fiscal year ending December 31, 1900.

The work embraced the repairing of cobble or rubble-stone, belgian and mosaic block pavements, granolithic gutters, unpaved streets, macadam roads, avenues and lanes, wooden drain-boxes, the repairing over the Chesapeake and Potomac Telephone Company's subway extensions, the Consolidated Gas Company's mains and services and private drain pipes; the supervision of the construction of new electric street and steam railway tracks, and of general repairs along all railway tracks.

I also had charge of the Department's storage yard.

REPAIRS OF COBBLE OR RUBBLE-STONE PAVED STREETS.

Repairs to this kind of pavements were made in all sections of the city.

As repair gangs were organized, practical men, (pavers in most cases), were selected and placed in charge of them as foremen. These gangs were then located in sections where the streets and alleys stood mostly in need of repairs.

In nearly all cases, the entire pavement from kerb to kerb was torn out, the kerb on either side, wherever necessary, reset to grade and line and the old makeshift gutter-stones replaced as much as possible with new standard stones.

All small and inferior cobble-stones were discarded and any such as Gabbro or trap rock, were sold to the Maryland Pavement Company and hauled from the line of work at their expense, the remainder being hauled to the nearest waste dump.

Much attention was given to the repairing of narrow streets and alleys, private excepted, which are, in most cases, in a deplorable condition. In the repaving of these narrow streets and alleys, it was deemed advisable and more economical to tear out the side gutters wherever they existed and construct one of regulation gutter-stone in the center, reset the kerb and then relay the pavement up to and abut it against the kerb about four inches below the top.

Small lateral gutters were laid from the center gutter to receive any drainage that flowed across the footways from residences.

The diversion of the drainage in these small residential streets from the sides to the centre is most beneficial in a sanitary point of view, as all refuse matter is swept to the centre and not deposited along on the outside of the kerb in holes and ruts made by wagons as heretofore. Property holders will be enabled by this innovation to better maintain their footways, and the Street Cleaning Department will also be able to keep them more cleanly and at less cost than in the past.

The following is a list of streets and alleys, and how repaired, viz:

Street, Avenue or Alley.	Location.	How Repaired
Fulton avenue.....	Between Pratt and Hollins sts.....	Kerb to kerb.
Hollins street.....	Between Monroe and Payson sts..	Kerb to kerb.
Hollins street.....	Intersection of Monroe st.....	Entirely.
Calverton road.....	North of Frederick ave.....	Patched.
Lombard street.....	Between Gilmor and Mount sts.....	Patched.
Lemmon alley.....	Between Gilmor and Mount sts.....	Patched.
Bruce alley.....	Between McHenry and Pratt sts.	Kerb to kerb.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Lemmon alley	Between Monroe st. and Fulton ave	Patched.
Monroe street	Intersection of Wilkens ave	Entirely.
Monroe street	Between Wilkens ave. and Ramsay st	Kerb to kerb.
Ramsay street	Between Carey and Calhoun sts.	Kerb to kerb.
Ramsay street	Between Calhoun st. and Norris al.	Patched.
Cole street	Between Gilmor and Stricker sts.	Kerb to kerb.
Cole street	Between Gilmor and Mount sts	Patched.
McHenry street	Between Calhoun st. and Norris al.	Patched.
McHenry street	Between Norris and Parrish als	Kerb to kerb.
McHenry street	Between Gilmor and Payson sts	Patched.
Fulton avenue	Baltimore and Ohio Railroad and Eagle st	Kerb to kerb.
Eagle street	Between Fulton ave. and Monroe st	Patched.
Monroe street	Between Eagle st. and Wilkens avenue	Patched.
Gilmor street	Intersection of Hollins st	Partly.
Pulaski street	Between McHenry and Marianna sts	Kerb to kerb.
Wilhelm street	Between Pulaski and Smallwood sts	Patched.
Goldsmith alley	Between McHenry and Pratt sts	Patched.
Goldsmith alley	Between Pratt and Lombard sts	Kerb to kerb.
Carrollton avenue	Between Baltimore and Fayette sts	Kerb to kerb.
Carrollton avenue	Between Wagon al. and Saratoga st	Kerb to kerb.
Linden avenue	Between Hoffman and Dolphin sts	West side rail to kerb.
Linden avenue	Between Hoffman and Dolphin sts	East side rail to kerb.
Linden avenue	Between Dolphin st. and Lafayette ave	Rails to kerb, patched.
Hoffman street	Between Eutaw st. and Linden ave	Patched.
Mason alley	Between Lanvale and Hoffman sts.	Kerb to kerb.
Jordan alley	Between Lafayette ave. and Lanvale st	Entire alley.
Jordan alley	Between Dolphin and Hoffman sts	Kerb to kerb.
Jordan alley	Between Hoffman and Preston sts	Patched.
Jordan alley	Between Preston st. and Camel al.	Kerb to kerb.
Jordan alley	Between Camel al. and Biddle st.	Patched.
Lanvale street	Between Mason al. and Bolton st.	Patched.
Bolton street	West of Hoffman st	200 feet of kerb reset.
Morris alley	Between Dolphin and Lanvale sts.	Entire alley.
George alley	Between Biddle and George sts	Kerb to kerb,

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Wilmer alley	Between Dolphin and Hoffman sts	Patched.
Argyle avenue	Between Dolphin and Greenwillow sts	Patched.
Hoffman street	Between Park ave. and Brevard st.	Patched.
Preston street	Between Park ave and Jenkins al., north side	Patched.
State street	Intersection of Jasper alley	Patched.
Mulberry street	Between Stricker and Gilmor sts.	Kerb to kerb.
Mulberry street	Between Gilmor and Mount sts	Patched.
Mulberry street	Between Mount st. and Bruce alley	Kerb to kerb.
Mulberry street	Between Bruce alley and Fulton ave	Patched.
Mount street	Between Lexington and Saratoga sts.	Patched.
Mount street	Between Mulberry and Franklin sts	Patched.
Mount street	Intersecting Lanvale st	Patched.
Vincent alley	Between Lexington and Saratoga sts	Kerb to kerb.
Stricker street	Between Lexington and Saratoga sts	Patched.
Franklin street	Between Carey and Calhoun sts	Patched.
Franklin street	Intersecting Carey st	Patched.
Goodyear alley	Between Franklin st. and Edmondson ave	Entirely repaved.
Fremont avenue	Between Lanvale st. and Lafayette ave	Rails to kerb.
Mosher street	Between Myrtle and Fremont aves.	Rails to kerb.
Fayette street	Between Gilmor and Mount sts	Kerb to kerb.
Fayette street	Between Mount st. and Fulton ave	Kerb to kerb.
Fayette street	Between Fulton ave. and Monroe st	Kerb to kerb.
Fayette street	Intersecting Mount st	Entirely repaved.
Monroe street	Between Franklin and White sts.	Kerb to kerb.
Monroe street	Between White st. and Edmondson ave	Patched.
Edmondson avenue	Between Payson and Monroe sts.	Patched.
Hamburg street	Between Paca and Russell sts	Kerb to kerb.
Burgundy alley	North and south of Hamburg st.	About 100 feet Patched.
Russell street	Between Fremont ave. and Hamburg st	About 100 feet patched.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Russell street	Intersecting Hamburg street	Entirely repaved.
Russell street	Between Hamburg and Cross sts.	Kerb to kerb.
Russell street	Between Cross and West sts	Patched.
Warner street	Between Cross and Hamburg sts.	Patched.
Warner street	Between Paca and Conway sts	Patched.
Burgundy alley	Between Warner st. and Fremont ave	Kerb to kerb.
Elbow lane	South of Warner st	Patched.
Paca street	Near Warner st	Patched.
St. Peter street	Between Paca and Barre sts	Patched.
China alley	Between Henrietta st. and Fremont ave	Patched.
Fremont avenue	Between Burgundy alley and Paca st	Patched.
Fremont avenue	Between McHenry and Pratt sts	Kerb to kerb.
Pratt street	100 feet east of Washington st	Kerb and gutter.
Lombard street	Between Washington and Bank sts	Gutter and patched.
Castle street	Near Bank st	Patched.
Bond street	Near Madison st	Patched.
Monument street	Between Broadway and Castle st	Gutter and patched.
Preston street	Between Harford and Central aves	Patched.
Jefferson street	Between Central ave. and Eden st	Patched.
Wolfe street	Between Monument and McElderry sts	Gutter and patched.
Orleans street	Between Luzerne and Glover sts.	Patched.
Thames street	Between Bond st. and Broadway.	Patched.
Eastern avenue	Between Caroline st. and Central ave	Patched.
Lexington street	Between Jones' Falls and High st.	Over drain.
Hoffman street	Between Aisquith st. and Central ave	Kerb to kerb.
Central avenue	Between Hoffman and Oliver sts.	Patched.
Central avenue	Between Hoffman and Preston sts	East rail to kerb.
Preston street	Between Broadway and Bond st	Patched.
Preston street	Between Bond and Caroline sts.	Patched.
Ensor street	Between Biddle and Preston sts.	Kerb to kerb.
Ensor street	Between Biddle and Chase sts	Patched.
Madison street	Between Central ave. and Eden st	Patched.
Park avenue	Between McMechen st. and Lafayette ave	Kerb to kerb,
Rutter street	Intersecting McMechen st	Patched,

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Rutter street	Between Lafayette ave. and Lanvale st	Kerb to kerb.
Rutter street	Between Dolphin and Lanvale sts.	200 feet, kerb to kerb.
John street	Between Mosher st. and Lafayette ave	Patched.
Foster street	Between Mosher and Wilson sts	Entire alley.
Jenkins alley	Between Mosher and Wilson sts	Entire alley.
Mosher street	Between Jenkins and Mason alleys	Kerb to kerb.
Division street	Intersection of Bloom st	Entire.
Laurens street	Between Mason alley and Eutaw place	Kerb to kerb.
Linden avenue	Between Wilson and Presstman sts	Patched.
Mason alley	Between McMechen and Wilson sts	Entire alley.
Park place	West driveway to McMechen st	Kerb to kerb.
Wilson street	100 feet east of Bolton st. to Mason alley	Kerb to kerb.
Wilson street	Between Mason alley and Linden ave	Patched.
Pine street	Between Franklin and Saratoga sts	Kerb to kerb.
Pine street	Between Penn alley and Lexington st	Kerb to kerb.
Pine street	Between Lexington and Baltimore sts	Kerb to kerb.
Sarah Ann street	Between Pearl and Pine sts	Kerb to kerb.
Sarah Ann street	Between Pine street and Myrtle ave	Patched.
Sarah Ann street	Between Myrtle and Frement aves.	Kerb to kerb.
Fremont avenue	Between Mulberry and Saratoga sts	Patched.
Josephine street	Between Arch and Pine sts	Kerb to kerb.
Vine street	Between Pine street and Fremont ave	Kerb to kerb.
Vine street	100 feet west of Arch street	Kerb to kerb.
Diamond street	Between Fayette and Lexington sts	Patched.
Franklin street	Between Howard and Eutaw sts	Rail to north kerb.
Franklin street	Between Howard and State sts	Rail to south kerb.
Howard street	Between Centre and Madison sts.	Rails to kerb.
Howard street	Between Madison street and Richmond market	Rails to kerb
Monument street	Between Howard and Eutaw sts	Kerb to kerb

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Linden avenue.....	Between Monument street and Richmond market.....	Patched.
Plover alley.....	Between Madison and Richmond sts.....	Half-block, kerb to kerb.
Eutaw street.....	From Marion street, 100 feet north	Rail to kerb.
Eutaw street.....	Between McCulloh street and Druid Hill avenue.....	West kerb.
Raborg street.....	Between Carrollton avenue and Carlton st.....	Kerb to kerb.
Raborg street.....	Between Carlton and Schroeder streets	Patched.
Raborg street.....	Between Carrollton avenue and Stockton alley.....	Patched.
Fayette street.....	Between Schroeder street and Carrollton avenue.....	Rail to north kerb.
Fayette street.....	Betweeen Carrollton avenue and Carey street.....	Rail to south kerb.
Carlton street.....	Between Fayette and Lexington streets	Kerb to kerb.
Carlton street.....	Between Lexington and Saratoga streets.....	Patched.
Wagon alley.....	Between Carlton street and Arlington avenue.....	Patched.
Lorman alley.....	Between Carrollton avenue and Carey street.....	Patched.
Carrollton avenue...	Between Lorman alley and Lexington street.....	Patched.
Schroeder street.....	Between Lexington and Baltimore streets	Kerb to kerb.
Schroeder street.....	Between Baltimore and Hollins streets	Kerb to kerb.
Schroeder street.....	Between Hollins and Lombard sts	Kerb to kerb.
Schroeder street.....	Between Lombard street and Lemmon alley.....	Patched.
Boyd street.....	Between Schroeder and Amity sts	Kerb to kerb.
Boyd street.....	Between Amity and Poppleton sts	Patched.
Amity street.....	Between Lombard and Baltimore streets	Patched.
Lafayette avenue...	Intersection of Brice alley.....	Entirely.
Lafayette avenue...	Between Payson and Monroe sts	Kerb to kerb.
Lafayette avenue...	Between Monroe street and Kirby's lane.....	Patched.
Lafayette avenue...	Between Kirby's lane and Fulton avenue	Kerb to kerb.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Vincent alley.....	Between Lanvale street and Lafayette avenue.....	Entirely.
Vincent alley.....	Bbetween Lafayette avenue and Mosher street.....	Entirely.
Vincent alley.....	Between Mosher street and Riggs avenue.....	Entirely.
Vincent alley.....	Between Riggs and Patterson aves	Half block, entirely.
Mount street.....	Between Lafayette avenue and Mosher street.....	Kerb to kerb.
Mount street.....	Between Riggs avenue and Winchester street.....	Patched.
Winchester street...	Between Patterson avenue and Mount street.....	Half block, kerb to kerb.
Mosher street.....	Between Vincent alley and Gilmor street.....	Patched.
Mosher street.....	Between Gilmor and Stricker sts.	Kerb to kerb.
Mosher street.....	Between Stricker and Calhoun sts	Patched.
Stricker street.....	Between Mosher street and Riggs avenue.	Patched.
Calhoun street.....	Between Harlem avenue and Lanvale street.....	Kerb to kerb.
Calhoun street.	Between Lanvale st. and Lafayette ave.....	Patched.
Calhoun street.	Between Lafayette ave. and Mosher st.....	Kerb to kerb.
Calhoun street.	Between Mosher st. and Riggs ave.	Patched.
Lanvale street.....	Between Mosher and Stricker sts..	Patched.
Carlton street.....	Between Edmondson and Harlem avenues	Entirely.
Pennsylvania ave....	Intersection Laurens st.....	Paved with Belgian bl'ks
.....	Approach to Mount Royal Pump House and McMechen st.....	Rail to kerb.
McMechen street....	Between Madison ave. and Eutaw st.....	Patched.
Lovegrove alley.....	Between Lanvale street and Lafayette ave.....	Kerb to kerb.
Adams alley.....	100 feet east of Charles st.....	Kerb to kerb.
Light street.....	Between Wells st. and Fort ave....	Rails to kerb.
Light street.....	Between Ostend st. and Fort ave..	Patched.
Durst alley.....	Between Randall and West sts.....	Kerb to kerb.
Clement street.	Between Lawrence and Webster sts	Patched.
Grindall street.....	Between Covington st. and Riverside ave.....	Kerb to kerb.
Fort avenue.....	Between Decatur and Hull sts.....	Gutter.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Ostend street	Between Light and William sts...	Kerb to kerb.
Fort avenue	Between Leadenhall and Hanover sts	Kerb to kerb.
Fort avenue	Between Hanover and Charles sts.	Half block patched.
Fort avenue	Between Hanover and Charles sts.	Half block kerbed.
Sharp street	Between B. & O. R. R. and Stockholm st	Gutter.
Hall alley	Between Fort ave. and Clement st.	Entirely.
Light & Poultney sts	In front of No. 17 School	Kerb reset.
Weber street	Between Light and William sts....	Entirely.
	York and William sts	Gutters.
Riverside avenue	Between Hamburg and Cross sts..	Patched.
Welcome alley	Between Charles and Hanover sts.	Kerb to kerb.
Welcome alley	Between Hanover and Howard sts	Patched.
Little Church street	Between Light and William sts....	Kerb to kerb.
Church street	Between Light and Hanover sts....	Kerb to kerb.
Hughes street	Between Light and Hanover sts...	Kerb to kerb.
Hughes street	Between Hanover and Sharp sts...	Patched.
Charles street	Between Cross and Hamburg sts...	West kerb to rail.
Montgomery street.	Between Hanover and Leadenhall sts	Kerb to kerb.
Leadenhall street	Between West and Cross sts	Patched and kerb.
Hamburg street	Between Hanover and Sharp sts..	Patched.
Sharp street	Between Hill and Camden sts	Rails to kerb.
Sharp street	Between West and Cross sts	Rails to kerb.
Sharp street	Between Cross and Hill sts	East rail to kerb.
West street	Between Sharp and Leadenhall sts	Patched.
X alley	Between Barre st. and Welcome alley	Kerb to kerb.
Peach alley	Between Cross and Hamburg sts .	Kerb to kerb.
Peach alley	Between Hamburg and Henrietta sts	Half block kerb to kerb
Fayette street	Between Caroline st. and Broadway	Rails to kerb.
Bethel street	Between Fayette and Mullikin sts	Kerb to kerb.
Bond street	Between Baltimore and Fayette sts	Patched and kerbs entirely reset.
Lexington street	And Union alley	Altered gutter
Jackson street	Between Central ave. and Aisquith st	Patched.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Fayette street	Between Jones' Falls and Aisquith st	South rail to kerb and north side patched.
Laurel street	Between Rogers ave. and Aisquith st	Kerb to kerb.
High street	Between Baltimore and Lexington sts	Patched.
Baltimore street	Between Jones' Falls and Exeter st	Patched.
Rogers avenue	Between Gay and Front sts	Kerb to kerb.
Granby street	Between Jones' Falls and Albemarle st	Half block, kerb to kerb
Watson street	Between Central ave. and Lloyd st	Kerb to kerb.
Lombard street	Between Exeter and Albemarle sts	Rails to kerb.
Lombard street	Between Jones' Falls and Centre market	Rails to kerb.
Concord street	Between Pratt and Lombard sts	Kerb to kerb.
Concord street	Between Eastern ave. and Pratt st	Patched.
Stiles street	Between President and High sts	Kerb to kerb.
Pratt street	Between President and Exeter sts	South rail to kerb.
Rogers avenue	Between Low and Lexington sts	Half block, kerb to kerb.
Rogers avenue	Between Low and Lexington st	Half block patched.
High street	Between Low and Lexington sts	Patched.
Townsend street	Between Bond and Caroline sts	Kerb to kerb.
Caroline street	Between Townsend and Lanvale sts	Kerb to kerb.
Townsend street	Between Hopkins ave. and Register st	Kerb to kerb.
Caroline street	Between Oliver and Federal sts	Kerb to kerb.
Wolfe street	Between Gay and Oliver st	Kerb to kerb.
Wolfe street	Between Oliver and Federal sts	Patched.
Collington avenue	Between Preston and Biddle sts	Gutter paved
Oliver street	Between Wolfe and Bond sts	Kerb to kerb.
Hopkins avenue	Between Lanvale and Townsend sts	Patched.
Chester street	Between Biddle and Preston sts	Kerb to kerb.
Collington avenue	Between Chase and Biddle sts	Patched.
Wolfe street	Between Ashland avenue and Monument sts	East side, rail to kerb.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Castle street	Between Eager street and Ashland ave	Half-block, kerb to kerb.
Hunter alley	Between Eager and Chase sts	Kerb to kerb.
Monument street	Between North and Calvert sts	Kerb to kerb.
Davis street	Between Centre and Monument sts	Kerb to kerb.
Centre street	Between North and Calvert sts	Patched.
Franklin street	Between North and Calvert sts	Kerb to kerb.
Franklin street	Between Calvert and St. Paul sts	Patched.
Garrett alley	Between St. Paul and Charles sts	Patched.
Pleasant street	Between Holliday and Calvert sts	Kerb to kerb.
.....	Charles and Lombard sts	Kerb.
Saratoga street	Between Gay and Holliday sts	Patched.
Saratoga street	Between Holliday and North sts	Kerb to kerb.
Saratoga street	Between North and Charles sts	Patched.
Beaufort alley	Between Calvert and Courtland sts	Half-block, kerb to kerb.
Addison street	Between Front and High sts	Patched.
North street	Between Saratoga and Lexington sts	Gutter.
Maryland avenue	Between Falls road and North ave.	Rails to kerb.
North avenue	Between Oak and St. Paul sts	North-side rail to kerb.
North avenue	Between Greenmount and Guilford avenues	North rail to kerb.
Adams alley	Between Charles st. and Maryland ave	Kerb to kerb.
Ann street	Between Lombard and Baltimore sts	Patched.
Wolfe street	Between Pratt and Lombard sts	Patched.
Ann street	Between Gough and Pratt sts	Kerb to kerb.
Regester street	Between Pratt and Lombard sts	Patched.
Pratt street	Between Ann and Wolfe sts	Patched.
Patterson Park ave.	Between Bank and Pratt sts	Kerb to kerb.
Patterson Park ave.	Between Pratt and Baltimore sts	Rails to kerb.
Patterson Park ave.	Between Eastern ave. and Bank st	Patched.
Hudson and Chesapeake sts	In front of No. 38 School	Kerb.
Ann street	Between 100 feet north of Baltimore st. and 100 feet south of Fayette st	Kerb to kerb.
Irving Place	Between Baltimore st. and Fairmount ave	Half-block, patched.
Goodwin alley	Between Crooked lane and Little Sharp st	Entirely.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Crooked lane	Between Fayette and Lexington sts	Patched.
John alley	Between Franklin and New sts	Entirely.
Greene street	Between Baltimore and Raborg sts	Rail to south kerb.
Lombard street	Southwest intersection Market Space	Entirely.
Jefferson street	Between Eden and Caroline sts	Kerb to kerb.
McElderry street	Between Bond st. and Broadway	Kerb to kerb.
Bethel street	Between McElderry and Jefferson sts	Kerb to kerb.
Monument street	Between Patterson Park ave. and Chester st	Rails to kerb.
Monument street	Between Chester and Washington sts	Kerb to kerb.
Orleans street	Between 80 feet east of Luzerne st. and Milton ave	Kerb to kerb.
Milton avenue	Between Fayette and Orleans sts	Kerb to kerb.
Fairmount avenue	Between Lakewood and Patterson Park aves	South rail to kerb.
Chapel street	Between Fairmount ave and Fayette st	Patched.
O'Donnell's wharf	Between north and south ends	Patched.
Buchanan's wharf	Between north and south ends	Patched.
Pratt street	Between Gay and Frederick sts	Patched.
Smith's wharf	Between north and south ends	Patched.
Spear's wharf	Between north and south ends	Patched.
Frederick street	Between Pratt and Water sts	Kerb to kerb.
Lombard street	Between Gay st. and Centre Market Space	South rail to kerb.
Pratt street	Between Mill and Concord sts	Gutter south side.
South street	Between Cable st. and foot of South st	Patched.
Water street	Between Gay st. and Centre Market Space	Patched.
Exchange Place	Between Gay and Holliday sts	North rail to kerb.
Exchange Place	Between Holliday and South sts	Patched.
Bowley's wharf	Between Pratt and Cable sts	Patched.
Cable street	Between Bowley's wharf and South st	Patched.
Wine alley	Between Charles st. and French al.	Kerb to kerb.
French alley	Between Light st. and Wine al	Patched.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Cypress alley	Between Pratt and Lombard sts...	Kerb to kerb.
Sutton street	Between Lombard and German sts	Patched.
Light street	Intersection Lee st.	Repaved.
Uhler's alley	Between Hanover and Charles sts.	patched.
Cheapside	Between Lombard and Water sts..	Kerb to kerb.
Hollingsworth st	Between Pratt and Water sts	Kerb to kerb.
Water street	Between Calvert and Grant sts....	Patched.
Franklin lane	Between Pratt and Water sts.	Kerb to kerb.
Lombard street	Between Hanover and Sharp sts..	North side patched and south side rail to kerb.
Guilford street	Between Franklin la. and South st	Patched.
Dugan's wharf	Between north and south ends	Entirely.
McElderry's wharf.	Between north and south ends.	Entirely.
Mill street	Between Pratt and Chestnut sts...	Patched.
Wilson street	Between John st. and Park ave. ...	Kerb to kerb.
Park avenue	Between Wilson and Mosher sts...	Kerb to kerb.
Mosher street	Between John and Foster sts	Patched.
Mosher street	Between Foster st. and Park ave...	Kerb to kerb.
Park avenue	Intersection Laurens st	Patched.
Madison street	Between Central ave. and Aisquith st	Rails to kerb.
Madison street	Between Aisquith st. and Greenmount ave	Kerb to kerb.
Monument street	Between Gay and Aisquith sts.	North side new kerb.
Harford avenue	Between Greenmount ave. and Madison st	Kerb to kerb.
Ensor street	Between Monument and Madison sts	East rail to kerb and new kerb.
Ensor street	Between Ashland ave. and Eager st	Kerb to kerb.
Aisquith street	Between Ashland ave. and Eager st	Kerb to kerb.
Dallas street	Between Ashland ave. and Gay st.	Half block, kerb to kerb.
Washington street	Between Eastern and Canton aves.	Patched.
Front street	Between Centre and Bath sts	Patched.
Exeter street	Between Hillen and Front sts	Patched.
Eager street	Intersection Aisquith st	Patched.
Eager street	Intersection of Somerset st	Patched.
Ashland avenue	Intersection Aisquith st	Patched.
Front street	Between Exeter st. and Greenmount ave	Patched.
Mullikin street	Between Caroline st. and Broadway	Patched.

LIST OF STREETS AND ALLEYS REPAIRED—Continued.

Street, Avenue or Alley.	Location.	How Repaired
Wolfe street	Between Thames and Aliceanna sts.	Rail to kerb.
Block street	Between Caroline and Wills sts.	Kerb to kerb.
Wills street	Between Block and Thames sts.	Patched.
Thames street	Between Philpot and Caroline sts.	Rails to kerb.
Ann street	Between Thames st. and Harbor.	Patched.
Bond street	Between Thames and Lancaster sts.	Rails to kerb.
Thames street	Between Caroline and Bond sts.	Patched.
Caroline street	Between Bank street and Canton ave	Rails to kerb.
Caroline street	Between Lancaster st. and Canton ave	Patched.
Dock street	Between Caroline and Wills sts.	Patched.
Philpot street	Between Thames and Point sts.	Rails to kerb.
Lancaster street	Between Broadway and Wolfe st.	Kerb to kerb.
Lancaster street	Between Broadway and Bond st.	Rails to kerb.
Bethel street	Between Lancaster and Shakespeare sts	Kerb to kerb.
Ann street	Between Thames and Aliceanna sts.	Rails to kerb.
Maderia street	Between Canton ave. and Pratt st.	Kerb to kerb.
Port street	Between Canton and Eastern aves.	Kerb to kerb.
Durham street	Between Lancaster and Aliceanna sts	Patched.
St. Paul street	Between Twenty and Twenty-second sts	East rail to kerb.
St. Paul street	Between Twenty-fourth and Twenty-fifth sts	Rails to kerb.
Hargrove alley	Between Twentieth and Twenty-first sts.	Entirely.
Hargrove alley	Between Twenty-second and Twenty-third sts.	Entirely.
Hunter alley	Between Twenty-first and Twenty-third sts.	Entirely.
Lovegrove alley	Between Twenty-second and Twenty-third sts.	Patched.
Barclay street	Between Twenty-first and 75 feet south of Twenty-second st.	Kerb to kerb.
Little Sharp street	Between Fayette and Lexington sts.	Kerb to kerb.
Harlem avenue	Intersection Monroe st.	Entirely.
Smallwood street	Intersection Ramsay st.	Entirely.
Clay street	Between Howard and Eutaw sts.	Patched.
Emory street	Between Portland and Dover sts.	Kerb to kerb.
Emory street	Intersection Dover st.	Entirely.
Penn street	Between Portland and Pratt sts.	Patched.
Canton avenue	Between East Falls ave. and President st	Patched.

LIST OF STREETS AND ALLEYS REPAIRED—Concluded.

Street, Avenue or Alley.	Location.	How Repaired
Marion street.....	Between Paca and Howard sts.....	Patched.
Lexington street....	Between St. Paul and Charles sts.	Patched.
Courtland street.....	Between Lexington and Saratoga sts.....	Patched.
Lexington street.....	Between Calvert and St. Paul sts.	South rail to kerb.
King street.....	Between Greene and Paca sts.....	Patched.
King street.....	Between Howard and Eutaw sts...	Patched.
Dover street.....	Between Sharp and Howard sts...	Kerb to kerb.
State street.....	Between Saratoga and Mulberry sts.....	Patched.
Alley south of Baltimore street.....	Between Light and Grant sts.....	Patched.
Morton street.....	Between Read and Eager sts.....	Patched.
Peabody alley.....	Between Cathedral st. and Plover alley.....	Patched.
Garrett street.....	Between Howard and Eutaw sts...	Entirely.
Paca street.....	Between Camden and Pratt sts....	East kerb to rail.
Warner street.....	Between Hamburg and Henrietta sts.....	Kerb to kerb.
Winchester street...	Intersection of 10-foot alley, west of Fremont ave.....	Patched.
Wilson street.....	Between Mason alley and Bolton st.	Kerb to kerb.

Cross gutters were removed at the following places:

West side of Ann street at Lombard street; north side of Oliver street at Bond street; northeast side of Cedar avenue at Second avenue; west side of Portland street at Emory street; west side Monroe street at Hollins street; east side Linden avenue at Lanvale street; east side Fremont avenue at McHenry street; west side Calhoun street at Lafayette avenue, and Rutter street at Mosher street.

In the following named streets and alleys center gutters were substituted for the side ones:

Little Church street, Light to Hanover streets; Hughes street, Light street to Hanover street; Durst alley, Fort avenue to West street; Adams alley, Charles street to Maryland avenue; George alley; Mason alley, Lanvale street to Hoffman street; Jordan alley, Dolphin street to Hoffman street; Vincent alley, Lexington street to Saratoga street; Sarah Ann street, Pearl street to Pine street and Myrtle avenue to Fremont avenue; Little Sharp street, Fayette street to Lexington street; Burgundy alley, Fremont avenue to Warner street and Raborg street, Carrollton avenue to Carlton street.

In addition to the above amount and character of work done in cobble-stone paved streets by the large gangs, the following statement shows the work done by the small emergency gangs, each composed of a paver, rammer, carter and laborer and the expense incident thereto, viz:

53,817 square feet cobble-stone repaving.
4,831 " Belgian block repaving.
3,023 " flagstone reset.
3,814 lineal feet gutter-stone reset.
2,340 " kerb reset.

For labor	$2,342 02	
For sand	92 37	
For cobble-stone	157 68	
Total expended		$2,592 07

Expended for labor, repaving over the Chesapeake and Potomac Telephone Company's subways, and charged to "Repairs of Roads, Streets, etc.," on account of there being no deposit to their credit at the time $292 56

Expended for labor, repaving over Maryland Telephone Company's trench, and charged to "Paving and Repaving of Cross Streets," on account of there being no deposit to their credit at the time $39 03

The following is the amount of material in stock for use of the department at the end of the year, viz:

80 perches cobble-stone	$140 00	
96.05 cubic yards of sand and gravel	57 63	
644.33 lineal feet of standard gutter-stones	180 40	
322.9 " " 4½ standard kerb-stones	177 60	
10,300 new Belgian blocks	412 00	
50 planks, 2x12 in. x16 feet long	21 60	
25 " 1x12 in. x16 feet long	11 20	
1 barrel of Portland cement	2 70	
1 barrel of coal oil	5 50	
		$1,008 63

Edmondson avenue from Calverton road to city limit:

Grabbro crushed stone was placed upon the roadway west from Gwynn's Falls Bridge, about 200 feet, to the depth of 5 to 6 inches, and then rolled with a steam roller, balance of roadway shaped up and gutters cleaned.

Amount expended for labor	$415 79	
" " " material	177 36	
		$593 15

Edmondson avenue, from Calverton road to Baltimore and Potomac Railroad:

The driveway of this part of Edmondson avenue, south of the United Railways and Electric Company's tracks, was resurfaced with gneiss crushed stone and partly covered with cinders and then rolled with a steam roller.

Amount expended for labor	$153 95	
" " " material	513 44	
		$667 39

Calverton road, from Edmondson avenue to Baltimore street:

The bed of this roadway was thoroughly repaired with gneiss crushed stone.

Amount expended for labor	$242 20	
" " " material	768 99	
		$1,011 19

Garrison lane, from Edmondson avenue to Hollins street:

The roadbed of this lane was resurfaced with gneiss crushed stone to a depth of from 3 to 6 inches, and the gutters cleaned on both sides.

Amount expended for labor	$246 50	
" " " material	834 94	
		$1,081 44

Lafayette avenue, from Baltimore and Potomac Railroad to Peck's Run:

Gutters cleaned and roadbed shaped up.

Amount expended for labor	$17 17

Hollins street, west of Calverton road:

The gutter on north side of street was straightened, and a bulkhead of old cross-ties constructed along the side to prevent the washing out of roadbed.

Amount expended for labor..... $47 83

Millington avenue, from Frederick road to Wilkens avenue:

Gutters along this avenue were cleaned.

Amount expended for labor..... $23 25

Wilkens avenue, west from Millington avenue:

The roadway of this avenue, north side of United Railways and Electric Company's tracks, were resurfaced with gneiss crushed stone, between Millington avenue and Brunswick street, and patched in places from Brunswick street to southern city limit, and at Hurley's Run there was a washout filled in.

Amount expended for labor.....	$57 25	
" " " material.....	125 89	
		$183 14

Caton avenue, between Frederick road and city limits:

The roadway of this avenue was resurfaced with gneiss crushed stone wherever needed.

Amount expended for labor.....	$ 53 83	
" " " material.....	360 96	
		$414 79

Stafford street, from Caton avenue to Eighth street:

The roadbed of this street was resurfaced with gneiss crushed stone wherever needed, and gutters cleaned.

Amount expended for labor.....	$ 26 33	
" " " material.....	101 31	
		$127 64

Old Frederick road, from Frederick turnpike to city limit:

The roadbed was resurfaced with gneiss crushed stone to a depth of from four to six inches, from the Frederick turnpike to Loudon avenue and all surplus dirt removed from gutters.

Amount expended for labor.....	$ 186 29	
" " " material.....	1,008 70	
		$1,194 99

Augusta and Loudon avenues:

The gutters along these avenues were cleaned and roadbeds shaped up.

Amount expended for labor, Loudon ave	$13 17	
" " " " Augusta ave	50 67	
		$64 38

Dorsey's lane, from Frederick turnpike to Morley street:

Gutters cleaned and roadbed shaped up.

Amount expended for labor	$58 85

Collins avenue, from Frederick turnpike to Walrad street:

The ten foot alley intersecting Collins avenue, south of Frederick turnpike was paved with belgian blocks to a width of about ten feet, expense of same charged to "Paving and Repaving Cross Streets."

Amount expended for labor	$65 67	
" " " material	36 41	
		$102 08

Yale avenue, from Frederick turnpike to Walrad street:

A gutter was paved with belgian blocks across Yale avenue intersecting ten foot alley south of Frederick turnpike, and the dirt gutters on both sides of avenue were cleaned.

Amount expended for labor	$28 25	
" " " material	35 96	
		$64 21

Northwest street, from Eighth to Ninth streets:

Gutters cleaned on both sides of street and some rotten rock placed upon the roadbed.

Amount expended for labor	$55 00

North avenue, from Pulaski street to Tenth street:

The roadway of this avenue was patched with gabbro crushed stone, and the gutters were cleaned.

Amount expended for labor	$112 09	
" " " material	140 13	
		$252 22

Morris and Clifton avenues:

The gutters along these avenues were cleaned.

Amount expended for labor, Morris ave.	$10 2	
" " " " Clifton ave.	6 02	
		$16 27

Walbrook avenue, from Slingluff avenue to Tenth street:

The centre of the roadway to a width of 12 feet was resurfaced with gabbro crushed stone to a depth of from four to six inches, and the grass and refuse dirt removed from the gutters.

Amount expended for labor	$ 50 25	
" " " material	171 95	
		$222 20

Slingluff avenue, from North avenue to Old Liberty road:

The roadway of this avenue was repaired with gabbro crushed stone, from North avenue to Walbrook avenue, and the balance of road was shaped up with rotton rock, and the gutters were cleaned.

Amount expended for labor	$464 12	
" " " material	242 82	
		$706 94

Beech avenue, from Slingluff avenue to New Liberty road:

The roadbed of this avenue was shaped up and patched with rotten rock, in places, and gutters were cleaned.

Amount expended for labor	$92 37

Windsor Mill road, from Thirteenth street to Western City limit:

The roadbed was thoroughly repaired with gabbro crushed stone wherever needed, and gutters were cleaned.

Amount expended for labor	$ 26 00	
" " " material	294 43	
		$320 43

Eighth, Tenth and Twelfth streets, Walbrook:

Gutters were cleaned and washout was filled in.

Amount expended for labor	$39 58

Old Liberty road, from Reisterstown turnpike to New Liberty road:

This road was thoroughly repaired with gabbro crushed stone to a width of 14 feet and to a depth of from four to six inches, frum Garrison avenue to Brown's run; it was afterwards rolled by the steam roller.

Amount expended for labor	$ 354 45	
" " " material	2,299 66	
" " " sprinkling	13 50	
		$2,667 61

Forrest avenue, west from Liberty road:

This avenue from Liberty road to city limits was entirely resurfaced with gabbro crushed stone, and then sprinkled and thoroughly rolled with steam roller.

Amount expended for labor	$ 67 58	
" " " material	253 27	
" " " sprinkling	9 00	
		$329 85

Forrest avenue, from Garrison avenue to Callaway avenue:

This avenue was repaired with a thin layer of gabbro crushed stone and then rolled with steam roller.

Amount expended for labor	$ 20 00	
" " " material	226 10	
" " " sprinkling	4 50	
		$250 60

Calloway avenue, from Forrest avenue to New Liberty road:

This avenue was patched in places with gabbro crushed stone of the smaller size, and then rolled with steam roller.

Amount expended for labor	$25 00	
" " " material	54 34	
		$79 34

Springdale avenue, from Calloway avenue to Garrison avenue:

A small amount of crushed stone was placed upon this avenue.

Amount expended for labor	$ 1 67	
" " " material	29 17	
		$30 84

Garrison avenue, from Liberty road to City limit:

The roadway of this avenue was resurfaced with gabbro crushed stone wherever needed and then thoroughly rolled with steam roller.

Amount expended for labor	$ 88 58	
" " " material	306 28	
" " " sprinkling	9 00	
		$403 86

Kate avenue, from Western Md. R. R. to Reisterstown road:

A small amount of gabbro crushed stone was placed upon the roadway, and the gutters were cleaned.

Amount expended for labor	$30 17	
" " " material	53 20	
		$83 37

Pimlico Boulevard, from Reisterstown road to Northern City limit:

This driveway was thoroughly resurfaced with gabbro crushed stone to a depth of from 4 to 6 inches, and to a width of from 20 to 25 feet, put on in layers, sprinkled with water, and then rolled with a 13-ton steam roller. After the larger sizes of stone were compacted, a topping of stone-dust was spread over it, sprinkled and rolled. It was properly crowned so as to shed the water. The repairs extended over the entire length of driveway with the exception of 150 feet south of Kate avenue, which was in good condition. The gutters along the driveway were cleaned.

Amount expended for labor	$ 698 24	
" " " material	1,564 18	
" " " sprinkling	112 50	
		$2,374 92

Pimlico road:

Gutters were cleaned.

Amount expended for labor		$10 25

Woodberry avenue and Woodberry lane:

Gutters cleaned and a washout near Green Spring avenue filled in.

Amount expended for labor, Woodberry avenue	$17 37	
Amount expended for labor, Woodberry lane	8 83	
		$26 20

Lexington street and Peck's Run:

Washout was filled in and repairs made around inlets. Cobble-stone repaving 300 square feet and 75 feet of gutter-stone reset.

Amount expended for labor..... $15 28

Dead Run Bridge, Franklin road:

The approach to bridge was patched with gabbro crushed stone.

Amount expended for material..... $13 30

Eutaw Place, from North avenue to entrance of Druid Hill Park:

Cinders spread upon crushed stone, which had been placed there at the close of last year.

Amount expended for labor..... $18 48

The cobble-stone pavements along Druid Hill avenue, from Retreat street to Fulton avenue; Fulton avenue, from Pennsylvania avenue to Druid Hill avenue, and Francis street, from Retreat street to Fulton avenue, were patched in places and some kerb reset. Cobble-stone repaving, 3,183 square feet, gutter-stone reset, 231 lineal feet, and kerb reset 240 lineal feet.

Amount expended for labor..... $169 50
" " " material 9 98
$179 48

Erdman avenue, from Harford avenue to Belair road:

The roadbed of this avenue was crowned and shaped up so as to shed the water, and the gutters were all deepened and cleaned, and some gneiss crushed stone placed where mostly needed.

Amount expended for labor..... $247 22
" " " material..... 28 49
$275 71

Hillen road, from Harford road to the Northern City limit:

The loose crushed stone upon the roadbed was gathered and used to fill up depressions, and the gutters along the sides were deepened and cleaned.

Amount expended for labor..... $90 75

Thirtieth street, from Huntingdon avenue to Remington avenue:

Gneiss crushed stone was spread on road, where necessary, and the gutters were cleaned.

Amount expended for labor	$32 17	
" " " material	8 16	
		$40 33

Remington avenue, from Thirtieth street to First avenue:

Repairs were made to the bulkhead on the northeast side of road, the old wooden drain boxes on the southwest side were replaced with terra-cotta pipe, bulkheads of old railroad ties were built in the run at the intersection of First avenue; the fences along both sides of avenue were repaired, the gutters were cleaned, and gneiss crushed stone was spread on the roadbed where needed.

Amount expended for labor	$619 47	
" " " material	131 41	
		$750 88

First avenue, from Remington avenue to Chestnut avenue:

The roadbed was repaired and gneiss crushed stone spread where needed, gutters were cleaned, fence repaired and bulkheads built in the stream near the intersection of Remington avenue.

Amount expended for labor	$82 49	
" " " material	31 14	
		$113 63

Cedar avenue, from First avenue to Merryman's lane:

The stone gutters between First and Second avenues were removed from both sides of the road, the cross gutter on the northeast side of the avenue was removed and the drainage turned into Second avenue at the north corner; a washout between Fifth avenue and Merryman's lane was filled up and the gutters repaved, wooden drain boxes were repaired, gutters cleaned, and the roadbed was repaired. Gneiss crushed stone was spread at the intersection of Cedar avenue with First and Second avenues.

Amount expended for labor	$243 89	
" " " material	33 90	
		$277 79

Merryman's avenue, from Falls road to York road:

The roadbed was repaired and the gutters were cleaned.

Amount expended for labor		$273 71

Fourth avenue, from Hickory avenue to Elm avenue:

Gneiss crushed stone was used in repairing roadbed, and the gutters were cleaned.

Amount expended for labor	$15 50	
" " " material	54 44	
		$69 94

Third avenue, from Chestnut avenue to Carroll street:

The gutters along this avenue were cleaned and gneiss crushed stone was used in repairing the roadbed.

Amount expended for labor	$84 42	
" " " material	92 26	
		$176 68

Second avenue, from Cedar avenue to Beech avenue:

The road was put in repair, and a gutter paved across the intersection at Cedar avenue and opened along the northwest side to carry off the drainage turned in from Cedar avenue.

Amount expended for labor	$17 67	
" " " material	11 26	
		$28 93

Union avenue, from Jones' Falls to Falls road:

A gutter about 60 feet long was paved from the inlet just east of the bridge to a point near the bridge, the gutters were cleaned, gneiss crushed stone was spread on the road where needed, and same was covered with cinders.

Amount expended for labor	$153 38	
" " " material	200 58	
		$353 96

Elm avenue, from Third avenue to Merryman's lane:

The gutters were cleaned and the roadbed was repaired with gneiss crushed stone.

Amount expended for labor	$33 25	
" " " material	23 25	
		$56 50

Falls road from Third avenue to Fourth avenue:

Hole in road was filled.

Amount expended for labor..... $4 17

Hickory avenue, from Third avenue to Fourth avenue:

Repaired roadbed and cleaned gutters.

Amount expended for labor..... $14 16

Roland avenue, from Fourth avenue to Fifth avenue:

Gutters were cleaned and the roadbed repaired with gneiss crushed stone.

Amount expended for labor.....	$18 83	
" " " material.....	41 75	
		$60 58

Maryland avenue, from Twenty-fifth street to Twenty-seventh street:

New gutters were opened and the old ones cleaned on both sides of the avenue.

Amount expended for labor..... $55 00

Twenty-fifth street, from Huntingdon avenue to York road:

Repaired and cleaned gutters and spread gneiss crushed stone where needed on roadbed. The old wooden drain box across Hunter alley was removed and a gutter paved in its place; a gutter was also paved across Calvert street on the south side of Twenty-fifth street.

Amount expended for labor	$ 113 58	
" " " material.....	35 54	
		$149 12

Huntingdon avenue, from Twenty-fifth street to Thirtieth street:

Gutter was cleaned.

Amount expended for labor..... $7 17

Twenty-fourth street, from Maryland avenue to Hunter alley:

The roadbed was repaired with gneiss crushed stone and the gutters on both sides of the street were repaved wherever needed:

Amount expended for labor	$102 54	
" " " material	61 93	
		$164 47

Twenty-third street and Jefferson Place:

A washout at this place necessitated the building of a bulkhead of old railroad ties and also wooden drain boxes, the repairing of broken terra-cotta drain pipes, the filling in of the hole left by the washout, the resetting of kerb and gutter-stones and the repaving of the cobble-stone in the street bed.

Amount expended for labor	$273 09	
" " " material	86 34	
		$359 43

Twenty-first street, from Barclay street to York road:

The kerb and gutter on the south side of this street were reset and the strip of cobble-stone was repaved. The gutter on north side was also repaired where needed. The street bed was repaired with old waste cobble-stones, which were knapped in place.

Amount expended for labor	$117 36	
" " " material	24 88	
		$142 24

Twentieth street, from Charles street to St. Paul street:

Street was repaired with gneiss crushed stone.

Amount expended for labor	$ 8 26	
" " " material	16 57	
		$24 83

Montebello avenue, from Old York road to Gorsuch avenue:

The gutters were cleaned, the roadbed shaped up and the old unused wooden box across the road at the southern extremity was removed and the ditch filled with old waste cobble-stones.

Amount expended for labor	$162 99

Gilmor lane, from Twenty-seventh street to York road:

Roadbed was repaired and gutters were cleaned.

Amount expended for labor		$55 00

Old York road, from Twenty-second street to City limit:

This road was put in good condition by cleaning the gutters, repaving cobble gutters, spreading gneiss crushed stone, where necessary, and by replacing the old wooden boxes at the intersection of Gorsuch avenue, with terra cotta pipe.

Amount expended for labor	$269 87	
" " " material	311 78	
		$581 65

Gorsuch avenue, from Liberty street to Republic street:

A hole in the street was filled.

Amount expended for labor		$3 33

Oxford avenue, from Reese street to York road:

Cobble gutters were repaired, gutters cleaned and the roadbed put in shape.

Amount expended for labor	$60 42	
" " " material	1 20	
		$61 62

Brady avenue, from Reese street to York road:

The gutters were cleaned and the roadbed shaped up.

Amount expended for labor		$13 83

Friendship street, from Montebello avenue to York road:

The gutters were cleaned and the roadbed shaped up.

Amount expended for labor		$26 09

Independence street, from Friendship street to Oxford avenue:

Gutters were cleaned.

Amount expended for labor		$14 00

Reese street, from Friendship street to Oxford avenue:

Old wooden box was replaced with 18-inch terra cotta pipe, the gutters were cleaned and the roadbed was put in repair.

Amount expended for labor	$74 52	
" " " material	31 92	
		$106 44

Independence and Madison streets:

Drain box was repaired.

Amount expended for labor		$1 25

Philadelphia road, from Fayette street to Loney's lane:

The gutters were cleaned and gneiss crushed stone was spread where needed.

Amount expended for labor	$52 50	
" " " material	59 36	
		$111 86

Baltimore street, from Baxter to Patuxent streets:

In order to avoid the constant flooding of the road, the grade of same was raised about two feet for a distance of about 150 feet, by filling first with dirt and then with gneiss crushed stone.

Amount expended for labor	$ 49 00	
" " " material	117 99	
		$166 99

The following are the amounts, and character of crushed stone used and cost of same:

Gabbro or trap rock	4,142.2	cubic yards	$7,948 23
" " dust	559.5	" "	1,066 50
Gneiss	3,176.62	" "	4,767 29
" pea stone	25.1	" "	57 31

Loney's lane, from Philadelphia road to Pennsylvania R.R.:

The old wooden drain box just north of the Philadelphia road, was replaced with terra-cotta pipe, the gutters on both sides of the road were cleaned and the roadbed was shaped up.

Amount expended for labor	$52 49	
" " " material	5 46	
		$57 95

REPAIRS OF WOODEN DRAIN BOXES.

Very few of the old wooden drain boxes heretofore constructed across roadways and unpaved street intersections were repaired, but wherever any showed signs of decay, it was torn out and replaced with terra-cotta pipe of sufficient size to carry off all ordinary surface drainage.

At the following places old wooden drain boxes were replaced by terra-cotta pipe:

Jefferson and Taylor streets:

Amount expended for labor	$21 00	
" " " material	27 25	
		$48 25

Jefferson and Liberty streets:

Amount expended for labor	$37 00	
" " " material	23 06	
		$60 06

Jefferson and Republic streets:

Amount expended for labor	$10 50	
" " " material	9 36	
		$19 86

Madison and Liberty streets:

Amount expended for labor	$ 7 87	
" " " material	12 53	
		$20 40

UNPAVED STREETS.

There were but little repairs made to these streets, as they were in fairly good condition.

Brunt street:

The gutter on the westside and north from Bloom street, was graded and deepened to permit the drainage to flow out into Bloom street.

Expended for labor $19 92

Adams alley:

Cinders were placed on the unpaved portion of the alley, between Charles street and Lovegrove alley.

Expended for material $2 10

Northwest street, from Fulton avenue to Friendsbury place:

Gutters were cleaned.

Expended for labor..... $2 42

West street, from Ridgely street to Paca street:

An old wooden covered gutter along the north side of West street was torn out, and the drainage diverted from crossing the roadbed, at Paca street.

Expended for labor..... $39 25

Stockholm and Wicomico streets:

The gutters along these streets were cleaned so as to prevent the water from standing and stagnating.

Expended for labor..... $27 41

REPAIRS OF ASPHALT BLOCK PAVEMENTS.

Only a small amount of repairs was done in this branch of the Department, and that prior to the 1st of March.

The following shows the amount and cost of work done:

Saratoga street:

Expended for labor.....	$11 82	
" " material.....	1 20	
263 square feet.		$13 02

St. Paul street, from Jones' Falls to North avenue:

Expended for labor.....	$5 33	
" " material.....	53	
108 square feet.		$5 86

Lafayette avenue, intersection Calhoun street:

Expended for labor.....	$56 55	
" " material.....	3 60	
884 square feet.		$60 15

BELGIAN BLOCK PAVEMENTS.

The pavements of Fayette, Calvert, Lexington and St. Paul streets, abutting the New Court House, were so badly

disturbed during the construction of the building by the contractors as to necessitate this Department upon its completion to repave the entire pavement, between the kerb and outer rail of the United Railways and Electric Company's nearest track on Fayette and Calvert streets; between the kerb and the rail of their track on Lexington street, and to regrade and repave the entire roadway of St. Paul street.

Two double rows of new flagstones were placed on St. Paul street at the time; one across the street on the southside of Lexington street and charged to the fund for "Paving and Repaving Cross Streets;" the other in front of the Court House entrance and charged to "Flagstone" account.

The pavement of Light street, between Lombard and Lee streets, was thoroughly repaired.

Work upon this street had to be opened up and closed in every night on account of the heavy traffic which prevented repairs being made during the day.

Repairs were also made to the following streets, viz: Liberty street, between Fayette and Clay streets; Calvert street, between Lombard and German streets; St. Paul street, between Lexington street and Dark lane; Fayette street, between Calvert street and Park avenue and Howard and Eutaw streets; intersection of Baltimore street with Harrison and Albemarle streets; Fort avenue, near Durst alley; German street, between Calvert and Charles streets and Liberty and Howard streets; Cathedral street, between Tyson alley and Eager street; Randall street, between Riverside avenue and Covington street; King street, east of Greene street, new work; Howard street, west side, between Pratt and Lombard streets; Eutaw street, between Marion and Lexington streets.

The expenditures on each street were as follows, viz.:

Fayette street	$554 53
Calvert street, between Fayette and Lexington streets	706 36
Calvert street, between Lombard and German streets	23 41

St. Paul street	223 77
Liberty street	359 12
Baltimore street	58 08
Fort avenue	13 98
German street	206 88
Cathedral street	123 85
Randall street	142 65
King street, new work	121 49
Eutaw street	112 58
Howard street	306 39

The following is a statement of the cost and amount of work done along Light street, viz.:

Expended for labor	$1,229 84	
" " sand	129 13	
" " new belgian blocks	377 92	
" " " standard gutter-stone	47 04	
" " " flagstone	2 24	
Total expended for labor and material		$1,786 17

30,880 square feet belgian block repaving, 243 square feet flagstone reset, 149 lineal feet gutter-stone reset and 274 lineal feet 4½-inch kerb reset.

MOSAIC BLOCK PAVEMENTS.

There was no work done upon this kind of pavement, except a few small repairs.

The few streets paved with this kind of blocks are in fairly good condition.

FLAGSTONE.

Expended for labor, setting flag-row on St. Paul street in front of Courthouse entrance	$5 67

REPAIRS TO GRANOLITHIC GUTTERS.

Sections of new gutters in connection with other repairs were constructed as follows, viz:

Baltimore street, Broadway to Patterson Park avenue:

50 lineal feet.

Amount expended for labor	$ 6 87	
" " " material	3 82	
		$10 69

St. Paul street, Jones' Falls to North avenue:

74 lineal feet.

Amount expended for labor	$6 88	
" " " material	3 82	
		$10 70

Saratoga street, Cathedral street to Fremont ave.:

651 lineal feet.
135 square feet of asphalt block repaving.
56 " " Belgian " "

Amount expended for labor	$124 15	
" " " material	68 00	
		$192 15

Eutaw Place, Preston street to Hoffman street:

37 lineal feet.
48 square feet Belgian block repaving.

Amount expended for labor	$10 45	
" " " material	.5 47	
		$15 92

Lafayette avenue, Mt. Royal avenue to Madison avenue:

85 lineal feet.
50 square feet of asphalt block repaving.
6 " " Belgian " "

Amount expended for labor	$18 34	
" " " material	9 90	
		$28 24

Chase street, Jones' Falls to Broadway:

72 lineal feet.

Amount expended for labor	$17 43	
" " " material	9 50	
		$26 93

Broadway, from Baltimore street to Biddle street:

36 lineal feet.
13 square feet of asphalt block repaving.

Amount expended for labor	$10 30	
" " " material	5 46	
		$15 76

Lexington street, from Pearl street to Fulton avenue:

268 lineal feet.
103 square feet of asphalt block repaving.

Amount expended for labor	$54 51	
" " " material	28 75	
		$83 26

Gay and Lexington streets:

14 lineal feet.
9 square feet of Belgian block repaving.

Amount expended for labor	$4 59	
" " " material	2 29	
		$6 88

Lexington street, from Calvert street to Holliday streets:

15½ lineal feet.

Amount expended for labor	$7 00	
" " " material	3 88	
		$10 88

Total lineal feet of gutter constructed, 1,302½.

Total cost of labor	$260 52
" " material	140 89
Avearage cost per lineal foot	.308

The following is a statement of the expenditures for labor and materials credited to the appropriations for "Repairs of Roads, Streets, etc.," and for the "Paving and Repaving of Cross Streets:"

Appropriations for Repairs to Roads, Streets, etc.	$150,000 00	
Appropriations for Paving and Repaving Cross Streets	25,000 00	
Expended for labor, charged to Repairs to Roads, Streets, etc	92,788 99	
Expended for labor, charged to Paving and Repaving Cross Streets	10,524 33	
		$103,313 32
Expended for materials, charged to Repairs to Roads, Streets, etc	$41,025 63	
Expended for materials, charged to Paving and Repaving Cross Streets	6,074 64	
		$47,100 27

The following itemized statement shows the amount, character and cost of the material used in the repairing of roads, streets, etc., and paving and repaving of cross streets:

22,459.44 cubic yards unscreened sand	$12,287	79
3,178.50 " " cinders	836	05
6,780.43 perches cobble-stone	11,228	95
24,199.08 lineal feet new gutter-stone (standard)	6,775	85
365.47 " " " " " (hammer dressed)	65	77
1,032.25 " " " 4½-inch kerb (regulation)	567	74
24.65 " " " " " circles (regulation)	27	14
359.84 square new flagstone	100	75
27,575 Belgian blocks	1,103	00
7,109 feet lumber, W. P. barn and Georgia	178	32
550 lineal feet terra cotta pipe, 10 inch, 12 inch, 15 inch, and 18 inch	144	83
30 barrels cement, Portland and domestic	79	56
642 old railroad ties	32	10
Expended for stonecutter jointing gutter stone and cutting throats in kerb	16	25
Expended for hauling tool boxes to storage lot	7	98
" " " private contract	65	49
" " oils, lamps, globes, etc	277	43
" " hardware	514	75
" " toll	9	15
" " blacksmithing at storage lot	771	80
" " " private contract	256	94
" " labor at storage yard	244	69
" " relaying sidewalk, Carrollton avenue and Saratoga street, private contract	55	00
Expended for pumping water out of cellar, Forrest and Lexington streets	6	58
Two new 4½-inch kerb circles were placed at the northwest and northeast corners of Linden avenue and Biddle street by the United Railways and Electric Co. at the time of making its improvement there, 17.65 lineal feet, cost	19	42

The following statement shows the amount of expenditures for the various kinds of work :

114,131 square feet Belgian block repaving at	$0.0502	$5,742	11
33,182 square feet old flagstone reset at	0.08337	2,766	50
360 square feet new flagstone set at	0.36337	130	84

1,255 old asphalt block repaving at	0.063	79	03
126,474 lineal feet old gutter stone reset at	0.0328	4,148	54
23,558 lineal feet new gutter stone set (standard) at	0.3128	7,369	34
365.41 lineal feet new gutter stone set (hammer dressed) at	0.2128	77	76
62,414 lineal feet old 4½-inch kerb reset at	0.07073	4,414	79
732 lineal feet new 4½-inch kerb set at	0.62073	454	40
24.65 lineal feet new 4½-inch kerb circles set at	1.24	30	59
763 lineal feet old 6-inch kerb reset at	0.10258	78	27
2,712,649 square feet old and new cobble-stone repaving at	0.0357	97,065	55

COMPARATIVE AMOUNT OF WORK DONE AND COST OF SAME IN 1899 AND 1900.

Various Kind of Work Done.	1899.	1900.	1899.	1900.	1899.	1900.
	Sq. Ft.	Sq. Ft.	Per Sq. Ft.	Per Sq. Ft.	Total Cost.	Total Cost.
Belgian block repaving	40,263	114,131	.045	.0502	$ 1,811 83	$ 5,742 11
Old flagstone reset	34,381.17	33,182	.10	.08337	3,438 12	2,766 50
New flagstone set	64.83	360	.10	.036337	6 49	130 84
	Lin. Ft.	Lin. Ft.	Per Lin. Ft.	Per Lin. Ft.		
Old gutter-stone reset	112,536.43	126,474	05	.0328	5,626 82	4,148 54
New gutter-stone set	20,508.84	23,558	.05	.3128	1,086 08	7,369 34
Old 4½-inch kerb reset	53,742.8	62,414	.11	.0707	5,911 71	4,414 79
New 4½-inch kerb set	1,216.21	732	.11	.6207	133 78	454 40
	Sq. Ft.	Sq. Ft.	Per Sq. Ft.	Per Sq. Ft.		
Old and new cobble-stone repaving	2,254,937	2,712,649	.0321	.0357	72,484 41	97,065 55

COMPARATIVE COST OF MATERIAL.

Year.	Cobble-stone per perch.	Gutter-stone per lin. ft.	4½-inch Kerb per lin. ft.	Flagstone per sq. ft.	Sand per cu. yd.
1899	$1,264 00	$ 0.16	$ 0.40	$ 0.17	$ 0.507
1900	1,656 00	0.28	0.55	0.28	0.547

COMPARATIVE COST OF LABOR, DIFFERENT KINDS OF WORK.

Year.	Laying Cobble-stone.	Setting Gutter-stone per lin. ft.	Setting Kerb-stone per lin. ft.	Setting Flagstone per sq. ft.	Laying Belgian Blocks per sq. ft.	Rate Per Day. Carters.
1899	$0.0264	$ 0.05	$ 0.11	$0.10	$0.045	$2 25
1900	0.0266	0.03	0.07	0.08	0.0502	2 50

COMPARATIVE COST OF COBBLE-STONE REPAVING.

Year.	Square ft. Cobble Repaving	Cost of Labor.	Cost of Labor per sq. ft.	Cost of Material.	Cost of Materials per sq. ft.	Total Cost per sq. ft.
1899	2,365,896	$62,477 16	$0.0264	$13,649 70	$0.0057	$0.0321
1900	2,712,649	75,132 04	0.0276	21,978 51	0.0081	0.0357

COMPARATIVE COST OF COBBLE-STONE REPAVING, BASED ON 1899, RATES FOR GUTTER-STONE, KERB-STONE, FLAG-STONE AND CARTERS.

Year.	Square ft. Cobble Repaving.	Cost of Labor.	Cost of Labor per sq. ft.	Cost of Material.	Cost of Materials per sq. ft.	Total Cost per sq. ft.
1899	2,365,896	$62,477 16	$0.264	$13,649 70	$0.057	$0.0321
1900	2,712,649	67,796 37	0.249	21,978 51	0.081	0.0330

It will be seen from the above comparative statement how much more the material cost per square foot than in 1899.

There were, approximately, 1,000 perches of old cobble-stone taken from Mt. Royal avenue, at no cost, and used in the repairs of streets in 1899.

The Chesapeake and Potomac Telephone Company's Subway Extensions.

This company, as soon as the Court of Appeals rendered its decision as to its legal rights to use the streets in extending its subways, immediately began operations.

SOUTHEASTERN DISTRICT.

A line of ducts was laid from a manhole at Fairmount avenue and Wolfe street, southerly in the bed of Wolfe street to Aliceanna street.

From Wolfe street a lateral branch was laid in Canton avenue easterly to Chapel street.

From a manhole in Cambridge street near Gwynn street to Montford avenue, northerly in Montford avenue to Fait avenue, thence easterly in Fait avenue to the eastern city limit, comprising in all 7,396 lineal feet.

WESTERN DISTRICT.

In this district a line of ducts was laid from a manhole in the intersection of Baltimore and Poppleton streets westerly in Baltimore street to Payson street, thence in Payson street to a manhole in the intersection of Payson street and Frederick avenue, and thence to a distributing pole at the southeast corner of the above intersection.

From a manhole at the northwest intersection of Baltimore and Gilmor streets ducts were laid northerly in Gilmor street to Mulberry street, and thence westerly in Mulberry street to a distributing pole at the northwest corner of Mulberry street

and Vincent alley; and from the manhole in the intersection of Baltimore and Carey streets another line of ducts was laid southerly in Carey street to a manhole in the intersection of Carey and Ward streets, comprising in all 10,644 lineal feet.

NORTHEASTERN DISTRICT.

From a manhole in the intersection of Monument and Gay streets a line of ducts was laid northeasterly in Gay street to Broadway and Chase street; from a manhole at Gay and Madison streets a line of ducts was laid westerly in Madison street to a distributing pole at the northwest corner of Madison street and Hargrove alley, thus connecting with their system of ducts in the Central District.

From a manhole at Gay and Eden streets another line of ducts was laid southerly in Eden street to Monument street; thence easterly in Monument street to and connecting with a manhole at Wolfe street, comprising in all 10,373 lineal feet.

NORTHWESTERN DISTRICT.

From a manhole in the intersection of Madison avenue and Presstman street a line of ducts was laid westerly in Presstman street to Druid Hill avenue; thence northerly in Druid Hill avenue to Clendenin street to a distributing pole.

From its manhole in the intersection of Robert and Brunt streets ducts were also laid westerly in Robert street to Pennsylvania avenue; thence southerly in Pennsylvania avenue to Laurens street; thence westerly in Patterson avenue to Fremont avenue; thence southeasterly in Fremont avenue to Winchester street to a distributing pole, comprising in all 4,384 lineal feet.

SOUTHERN DISTRICT.

From a manhole in southwestern intersection Paca and Fremont streets, a line of ducts was laid southeasterly in Fremont avenue to Little Montgomery street; thence in Little

Montgomery street to Henrietta street; thence easterly in Henrietta street to Charles street.

From its manhole in Charles street, near Montgomery street, its line of ducts was continued southerly in Charles street to Heath street; thence easterly in Heath street to Light street.

From a manhole built in the intersection of Charles street and Fort avenue, a line of ducts was also laid easterly in Fort avenue to Riverside avenue, comprising in all 9,199 lineal feet.

Manholes were built at all street intersections, and many branches from main lines to street corners to connect with distributing poles.

All of the above lines of ducts were completed before the end of the year.

Only a few manholes remain to be built.

This department is restoring all the street pavements over its ducts, at its expense.

The following statement shows the cost of the repaving, character and amount of work done up to the end of the year:

SOUTHEASTERN DISTRICT.

Expended for labor	$762 72	
" " material	105 79	
Contract	22 13	
		$890 64

18,017 square feet cobble-stone repaving, 1,445 square feet Belgian block, 10 square feet flagstone reset, 661 lineal feet gutter-stone reset, 4 lineal feet kerb reset, and 6 81 square yards sheet asphalt relaid.

WESTERN DISTRICT.

Expended for labor	$1,273 99	
" " material	174 62	
		$1,448 61

29,696 square feet Belgian block repaving, and 5,521 square feet cobble stone repaving.

NORTHEASTERN DISTRICT.

Expended for labor	$597 22	
" " material	126 48	
		$723 70

12,045 square feet cobble-stone repaving, and 2,053 square feet belgian block repaving.

NORTHWESTERN DISTRICT.

Expended for labor	$384 09	
" " material	42 24	
Contract	440 05	
		$806 38

11,213 square feet cobble-stone repaving, 2,143 square feet Belgian block repaving, and 135 4-10 square yards sheet asphalt repaving.

SOUTHERN DISTRICT.

Expended for labor	$798 85	
" " material	128 26	
		$927 11

22,571 square feet cobble-stone repaving, and 600 square feet Belgian block repaving.

In the Central District the company installed new manholes on the line of its subways and laid ducts from manholes to distributing poles. The repaving over its trenches is completed in the Northwestern, Western and Southeastern Districts; and that in the Southern and Northeastern will be completed next month if the weather permits.

CONSOLIDATED GAS COMPANY.

This department, being empowered by the Mayor and City Council to repave all sunken pavements over gas mains and service pipes, and to charge the cost thereof to the Company, notified it in nearly every case where depressions existed, no matter of how long standing, and, at the same time, of its intention to proceed to carry out the law.

The two small paving gangs, in addition to making repairs over drain-pipes, also did a great amount of repaving over the company's mains and services, and for which bills were rendered monthly.

The company itself sent out paving gangs to make repairs, and, in conjunction with our small gangs, the pavement over a great many of its mains and services in all sections of the city was put in good condition.

The following is a statement of the cost and the amount of work done:

Expended for labor	$446 82	
" " clerk and transportation	133 70	
" " material	106 95	
" " blacksmithing	44 68	
		$732 15

Total amount of cobble-stone repaving done, 5,320 square feet.

PRIVATE DRAIN PIPES.

Whenever any displacement was made in pavements by private individuals or corporations, whether for repairs over existing pipes or for new lines of pipes, it was restored by this department at the expense of the owner or owners.

Either a deposit in cash or a bond was required before a permit was granted to cover the expense of repairing and keeping in repair all such work.

Many of these old drain pipes, laid haphazard, and without any regard for grade or line, are frequently choking, thereby necessitating the tearing up of all kinds of pavements, and at all seasons of the year, to clear them.

Two small repair gangs, each consisting of a paver, rammer, carter and laborer, are kept in reserve to make repairs to the pavements so disturbed.

The repaving over drain pipes laid by the Inspector of Public Buildings from school houses is also done by this department and the cost billed against his department.

Our street pavements will never be free from these disturbances until the installation of a general sewerage system.

STEAM RAILWAYS.

Only a few new extensions of tracks were constructed by the steam railway companies.

The Northern Central Railway Company, having acquired the entire block of ground bounded by North, Centre, Holliday and Monument streets, laid three single tracks across Monument street between North and Holliday streets and through their property to the north side of Centre streets.

Proper provision for drainage was made and all the pavements in the bed of Monument street displaced by their tracks restored in a satisfactory manner.

The entire cobble-stone pavement of the bed of Holliday street between Monument and Centre streets was replaced with one of Belgian blocks by the company at its expense.

The only other company that laid any new extensions was the B. & O. This company constructed a third track parallel with and south of its two existing tracks in Ostend and Putnam streets from a point west of Russell street to Carroll's switch.

The track has not yet been laid across Ridgely street.

The pavement along the track crossing Bush street has been properly restored.

The only other intersecting street paved is Scott street, which is not opened to the public from the fact of its never having been legally condemned and opened across the company's property.

The company has made an opening over its tunnel at the junction of Liberty and Howard streets, preparatory to reinforcing its girders spanning the tunnel at that point.

Repairs to street pavements along the tracks of the different companies were kept in fairly good condition.

THE UNITED RAILWAYS AND ELECTRIC CO.

There were no new extensions constructed by this company, which now controls all the street railway lines in the city.

Its principal work consisted of the renewal of old crossings at intersecting points with new and modern ones, and of general street repairs along its various lines.

A great number of these new crossings have been put down during the year.

The unsightly curve of the late Central Railway line in Biddle street facing the Richmond Market House and the iron covered gutterway on the west side of Biddle street across Linden avenue were removed and the street pavement afterwards properly restored.

In the maintenance of street repairs the company has done a great deal of work all over the city.

About the first of December the company began the removal of the two outer tracks of the four existing ones on North avenue between Division and McCulloh streets, and the construction of two new curves easterly from McCulloh street into North avenue.

It also began the laying of a fifteen-inch terra cotta pipe from the northwest intersection of Madison and North avenues to the northwest corner of McCulloh street and North avenue to intercept all drainage flowing to that point.

This work was progressing nicely, and would have been finished by the first of the year, but for the hard freezing weather about the middle of the month.

As most of the repaving was done in freezing weather it will necessarily have to be repaved again in the spring.

MAINTENANCE OF PROPERTY YARD.

Appropriation		$1,000 00
Amount expended for Superintendent and labor	$876 68	
Amount expended for material	33 13	
		$909 81

The storage yard of this department, located at the south-east corner of Rogers avenue and Low street, is used for the storage of all machinery, tools and small quantities of material.

There is a superintendent in charge with a helper, who accounts weekly for all tools and materials received and distributed.

All the old material that was of no use to the department was sold by Mr. O. W. Connet, Assistant City Engineer, who acted as agent for the City Comptroller, and the yard thoroughly cleaned and put in good shape.

New bins for sand were built, a blacksmith shop equipped with all appurtenances, and a blacksmith and helper employed to sharpen, dress, repair and make tools for the department.

All the tool boxes for use of the street repair gangs were repaired, covered with old canvass, and then labeled "City Engineer's Department." A new floor was placed in the office and a rain gutter and down spout along shed facing Low street.

An inventory of all tools belonging to the department is on file in this office .

As this sub-department of the Department of Public Improvements has jurisdiction over all roads, streets, lanes and alleys, private excepted, I would recommend that all street pavements displaced by the Water Department and Electrical Subway Commission in the laying of pipes and ducts be restored by this department at their expense.

By the centralization of all street repairs under one municipal department better results, I am sure, would be accomplished in the maintenance of street pavements.

I would also urge the importance of a more thorough ramming of dirt in the refilling of all trenches.

In this respect the Chesapeake and Potomac Telephone Company is to be commended, as very little repaving over their trenches is required a second time.

In conclusion, I desire to commend each of my assistants, espectively, for the good service performed.

JOHN S. PATTERSON,
Assistant City Engineer.

ANNUAL REPORT

—OF THE—

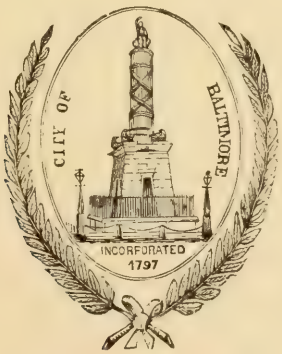
CITY LIBRARIAN

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900



BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

REPORT.

To the Honorable Mayor and City Council of Baltimore City:

GENTLEMEN:

In compliance with the requirements of this office, I have the pleasure of submitting the following report of the City Library for the year ending December 31, 1900.

Owing to the operations of the City Charter, the present incumbent has filled the position only part of the year, dating from March 1st.

On entering upon the duties of the office the condition of the library was found to be in good order. After investigating the methods of keeping the books, I deemed it necessary to introduce the double entry system, thus simplifying the accounts and having them absolutely correct.

All statements, reports, expenditures and disbursements from January 1, 1900, to the commencement of the present incumbency have been carefully examined and found correct. Contracts for supplying the various departments, boards and commissions, etc., of the city government with books, stationery and printed matter were made with the Wm. J. C. Dulany Co., J. W. Bond Co., Pearre E. Crowl Co. and Messrs. King Bros., and at prices that have been very advantageous to the city. The relations between this office and the contractors have been very pleasant, and the contracts on their part have been carried out fully and entirely satisfactorily in every respect.

Since the report of my predecessor the metallic cases for the preservation of the street plats and street books of the city have been completed and are now in daily use. They have received the highest commendation from those who have

frequent use of their contents. The plats have been re-arranged and re-numbered, and a new reference index is now in course of completion.

Old books, documents, files, etc., stored in the lofts of the City Hall have been arranged and classified to some extent, but the accumulation of such for many years requires much time to separate the useful from the useless.

By reference to Ordinance No. 129, approved November 5th, 1874, creating the City Library, it is evident that the primary object of establishing this department was to make it the custodian for the preservation of all necessary books, documents, etc., of the city, and "carefully collect and arrange and safely keep a complete series of ordinances and resolutions and proceedings of the Mayor and City Council, and all other books, papers and memorials relating to Baltimore, from its inception as a town to the present time and shall continue the same annually." This, doubtless, has been carried out to the extent of all preceding librarian's ability, but there should be a permanent fund credited to the library to enable it to buy rare and valuable books and documents relating to the primitive and Colonial days of our State and city.

Opportunities for purchasing such books often occur, but owing to the lack of funds have to be declined. Within the past few weeks the librarian was called upon by a representative of a firm who make a specialty of preserving old papers and documents so they can be constantly used without damage. As the money was not available I was compelled to decline, notwithstanding there are in the City Library many old ordinances, accounts and interesting papers of this city dating back nearly one hundred and fifty years.

Within the past ten or fifteen years the system of interchanging reports and other documents of the States and large cities of our country, and also with Europe, has rapidly extended. Baltimore is constantly in receipt of such reports, etc., handsomely bound and printed that reflect discredit upon similar documents issued by this city and sent in exchange.

We do not compare in this respect even favorably with cities of one-third of our population.

Many corporations, firms and individuals outside of our city, under the impression that this is either a circulating or general reference library, frequently contribute volumes of general literature which have no value as additions to this library. This accumulation, together with old State and municipal reports, etc., since the creation of this Department, swell the number of volumes in the library but add no intrinsic value thereto.

I would suggest that books of a miscellaneous character, not especially valuable to or desirable by this library, be presented to the Baltimore City College and Teachers' Libraries, and the reports, etc., of other States and cities, up to within the past five years, be presented to the public libraries of the city. Unless this or something similar is done more room and cases must be added in the near future.

During the year one hundred and nineteen copies of reports of the Sewerage Commission, ten reports of the Electrical Commission, forty-one municipal annual reports, six hundred and thirty-eight Revised Charters, thirty-four Baltimore City Codes 1893, four copies General Laws of Maryland, sixty-two copies Proceedings of the First Branch City Council, thirty-five copies Proceedings of the Second Branch City Council, and one hundred and seventy-one Ordinances and Resolutions have been issued to the various departments and city officials. Many municipal reports and those of the various commissions, and also copies of the City Charter, have been sent, by request or in exchange, throughout the United States and to several foreign countries. The reports of the Sewerage and Electrical Commissions appear to be in special demand by corporations and specialists. All municipal and departmental reports and documents issued by the City for 1899 have been received and placed on file.

The City Librarian also acknowledges, with thanks, the receipt of the following reports and publications issued by:

United States Government.—Reports of: Chief Engineer U. S. A., 6 volumes; Fifteenth U. S. Civil Service Commission; Commissioner of Education; Consular, 230, 231, 232 and 233, Exports Declared and Delivered for U. S., Disposal of Sewerage and Garbage, Foreign Labor Laws, Merchant Marine of Foreign Countries, Tariffs of Europe, vol. 16, parts 1 and 2; Interstate Commerce Commission; History and Growth of Census; Postal Guide; Prison System of the United States.

States.—Louisiana. Maryland—Reports of: Commissioner of Labor; Court of Appeals; Geological Survey, 2; Hospital for the Insane; Laws of Maryland; Maryland Reports, 89 and 90; Senate and House Journal and Documents; Weather Service, vol. 1. Michigan. New York—Forestry, Game and Fish Reservation; George Clinton, War Governor; New York in the Revolution; Public Papers of the First Governor; State at Gettysburg.

Municipal.—Berlin, Germany; Brooklyn, N. Y.; Buffalo, N. Y.; Charleston, S. C.; Chicago, Ill.; Detroit, Mich., Gloucester, Mass.; Grand Rapids, Mich.; Halifax, N. S.; Hartford, Conn.; Indianapolis, Ind.; Los Angeles, Cal.; Memphis, Tenn.; Minneapolis, Minn.; Mobile, Ala.; Newark, N. J.; New Orleans, La.; Newport, R. I.; Newton, Mass.; Philadelphia, Pa.; Portland, Me.; Providence, R. I.; Richmond, Va.; San Francisco, Cal.; St. John, N. S.; Salem City, Mass.; Savannah, Ga.; St. Paul, Minn.

Local.—Reports of: City Sewerage Commission, No. 2, Female House of Refuge, House of Refuge, St. Mary's Industrial School, Western Maryland Railroad, Baltimore Chamber of Commerce. Special acknowledgment is hereby made of twenty-two copies of Ordinances and Resolutions from 1797 to 1889, donated by C. W. Heuisler, Esq.

Educational.—Reports of: University of Pennsylvania, John Hopkins University, McDonough School, Enoch Pratt,

International Competition: Architectural Plans of University of California.

Miscellaneous.—Apocalypse of St. John, History of Prudential Life Insurance Co., Statue of Benjamin Franklin, The Gospel of Paul the Apostle.

STATEMENT.

STATEMENT—CLASS A.

Showing the Amounts Expended for the Various Departments for 1900.

	Stationery.	Printing.	Books.	Total.
School Board	.....	$1,610 53	$192 75	$1,803 28
Inspector Gas and Oils	$131 53	....	.....	131 53
Board of Estimates	.....	34 21	2 25	36 46
Health Department	785 07	378 83	741 52	1,905 42
City Comptroller	211 53	226 98	64 62	503 13
Fire Department	243 51	160 75	217 64	621 90
City Register	85 85	25 15	365 83	476 83
Street-Cleaning Department	114 09	59 10	103 32	276 51
Mayor's Office	183 60	114 75	11 40	309 75
City Collector	200 93	1,402 28	1,104 31	2,725 52
City Engineer	126 57	124 63	146 67	397 87
Bayview	62 50	21 15	27 58	111 23
Supervisors of City Charities	135 19	143 37	65 40	343 96
Market Masters	3 79	.....	8 60	12 39
Supt. Public Buildings	49 68	14 90	47 13	111 71
Harbor Board	73 22	33 83	3 90	110 95
Harbor Masters	1 73	18 88	8 45	29 06
Inspector of Buildings	23 70	66 14	89 30	179 14
Supt. Lamps and Lighting	73 84	87 86	25 45	187 15
Appeal Tax Court	89 25	110 25	163 98	363 48
City Jail	151 59	132 78	105 05	389 42
Examiner of Titles	.....	.....	16 20	16 20
City Solicitor	92 91	39 75	11 50	144 16
Municipal Lighting Commission	3 75	5 25	.....	9 00
Board of Review and Assessments	.....	.....	4 50	4 50
Board of Public Improvements.	.....	....	4 50	4 50
Board of Finance	.....	.....	4 50	4 50
Board of Public Safety	.....	.....	4 50	4 50
Topographical Survey	13 51	8 75	6 00	28 26
Commissioners Opening Streets	14 81	13 00	.....	27 81
Board of Awards	.....	6 00	.....	6 00
City Library	224 80	486 35	79 50	790 65
	$3,096 95	$5,343 47	$3,626 35	$12,066 77

STATEMENT—CLASS B.

City Library Expense Account.

City charters	$1,045 60	
Metallic cases	768 00	
Rebinding street books	568 40	
Advertising	267 07	
Postage	106 96	
Telephone service	66 00	
Meals, January and February	8 50	
Labor, January and February	26 00	
Expressage	12 69	
		$2,869 25

STATEMENT—CLASS C.

City Library Salary Account.

Librarian's salary	$1,500 00	
1st Assistant's salary	900 00	
2d " "	446 55	
		$2,846 55

SUMMARY.

Total expenditures, Class A	$12,066 77	
" " " B	2,869 25	
Balance to Sinking Fund	1 12	
		$14,937 14
Amount appropriated for stationery, printing and books for the various Departments		$14,937 14
Total expenditures, Class C	$2,846 55	
Balance to Sinking Fund	115 95	
		$2,962 50
Amount appropriated for City Library salaries		$2,962 50

STATEMENT D.

Amounts expended by other Departments, purchased through the City Library.

Board of Estimates	$ 40 00
Superintendent Street Cleaning	110 65
Harbor Board	95 00
Inspector of Buildings	52 50
Appeal Tax Court	31 50
City Jail	24 00
City Solicitor	87 00
Collector Water Rents and Licenses	358 43
Water Engineer	1,218 67
Board Liquor Licenses	4 00
Electrical Commission	372 40
Supervisors City Charities	17 40
Topographical Survey	20 00
Health Department	560 00
Fire Department	104 00
City Engineer	13 99
Parks and Squares	316 69

ANNUAL REPORTS

—— OF THE ——

Register of the City

—— AND OF THE ——

COMMISSIONERS OF FINANCE

—— TO THE ——

MEMBERS OF THE FIRST AND SECOND BRANCHES
OF THE CITY COUNCIL OF BALTIMORE,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31, 1900.

BALTIMORE:
WM. J. C. DULANY CO., CITY PRINTERS.
1901.

REPORT OF

GEO. N. NUMSEN,

Register of the City.

REGISTER'S DEPARTMENT.

REGISTER:
GEORGE N. NUMSEN.

DEPUTY REGISTER:
J. SEWELL THOMAS.

CHIEF CLERK:
ISAAC L. NEWMAN.

STOCK CLERK:
EDWARD BRADY.

ASSISTANT CLERKS:
L. V. FALLER. PAUL NEEDING.

REGISTER'S REPORT.

BALTIMORE, December 31, 1900.

To the Honorable the Members of the First and Second Branches of the City Council:

GENTLEMEN: Complying with the provisions of the Baltimore City Code of 1893 (Art XI, Sec. 24), I have the honor to lay before you the following report:

The receipts of the Treasury from all sources during the current fiscal year ending December 31, 1900, as detailed in Statement C of this report were	$10,015,441 90
To which add the cash balance of December 31, 1899	996,079 28
Making the total amount to be accounted for	$11,011,521 18
The total disbursements for the year as detailed in statement C were	$10,244,189 06
Leaving a cash balance on hand December 31, 1900	$767,332 12

The following statement is submitted to show the Income

RECEIPTS.

Balance December 31, 1899, (exclusive of funded debt account)		$659,914 72
Taxation:		
Tax on general property	$4,320,492 62	
" " bonds and securities	195,288 96	
" " income from mortgages	18,192 57	
" " suburban property	47,241 81	
" in arrears (city)	1,113,945 11	
" " " (annex)	49,452 17	
Interest on taxes in arrears	50,194 38	
		$5,794,807 62
Licenses:		
Liquor	$396,529 67	
Dog	15,802 00	
General	41,779 92	
		$454,111 59
Franchises:		
Park tax	$295,332 13	
Telephone conduits	10,468 35	
Minor privileges	33,080 13	
		$338,880 61
Special Assessments:		
Street opening benefits	$47,825 36	
" paving	4,952 10	
		$52,777 46
Fees	11,632 71	
Fines	9,093 61	
		$20,726 32
Quasi-private Receipts:		
Wharves	$36,861 83	
Markets	59,108 15	
Water rents	948,986 58	
City's share of school tax from State	265,579 04	
Tuition fees from non-resident pupils	3,176 64	
Free text-books from State	52,699 78	
Health Department	18,739 75	
Jail	6,808 23	
General Superintendent of Lamps	4,849 56	
City Engineer's Department	11,844 35	
Interest on deposits	29,021 03	
Removed cases	3,109 40	
Board for Insane patients	7,341 99	
Free baths	2,123 04	
Street Cleaning Department	1,533 07	
Fire Department	1,427 85	
Old material, opening streets	1,054 00	
Miscellaneous	6,164 38	
		$1,460,422 67
		$8,781,640 99

and Expenses of the City Government for the year 1900 :

EXPENDITURES.

Street paving and repairs	$188,683 08	
Sewers	24,972 00	
Bridges	22,395 94	
Inspection of private paving	9,631 13	
Improvements and additions to drainage system	23,078 89	
Opening streets (damages)	56,021 55	
Cleaning streets	382,776 41	
Police	874,653 51	
Lighting	389,599 73	
Fire protection	457,753 55	
Water supply	1,011,512 33	
Health	79,796 14	
Markets	4,667 72	
Wharves	8,225 96	
Harbor	60,902 15	
Courts	197,706 04	
Elections and Registration	82,226 69	
Schools	1,203,593 52	
Charities and corrections	441,506 02	
Free baths	4,260 19	
Parks and squares	296,594 73	
Municipal buildings (including repairs)	174,526 15	
Administration	237,462 73	
Interest on debt (net)	867,993 48	
Sinking funds	521,168 66	
State tax on city loans (net)	49,165 72	
Ground rents on city property	48,995 34	
Topographical survey	5,245 33	
Care of public buildings	70,894 06	
Maryland Institute	9,000 00	
Tax sales	5,666 40	
Interest on temporary loans	2,033 34	
Refund of taxes	3,324 65	
Printing laws	2,834 74	
Enoch Pratt Free Library (on account of deficiency)	2,700 00	
Free text-books	5,112 66	
Paving certificates	6,778 03	
Paving streets—account of assessments	5,845 35	
Miscellaneous	27,216 44	
	$7,866,430 36	
Surplus paid to Commissioners of Finance	473,450 63	
Balance, December 31, 1900, (exclusive of funded debt account)	441,760 00	
		$8,781,640 99

FUNDED DEBT ACCOUNT.

Balance to credit of loans, December 31, 1899	$336,164 56	
Net proceeds of sale of stock in 1900	806,500 00	
		$1,142,664 56
Expenditures under loans during the current year as shown in Statement C		817,092 44
Unexpended balance, as detailed in Statement B, on December 31, 1900		$325,572 12

FUNDED DEBT.

The funded debt on December 31, 1900, is	$40,003,882 95
The funded and guaranteed debt on December 31, 1899, was	39,140,182 95
Thus showing the net increase to have been	$863,700 00

Which is thus explained:

Issue of Four Million 3½% 1945 Loan		$ 456,500 00	
" Conduit 3½% 1922 Loan		350,000 00	
" Refunding 3½% 1940 Loan		4,300,000 00	
" W. M. R. R. 3½% 1950 Loan		875,000 00	
Less:		$5,981,500 00	
Water 5% 1894 Loan, redeemed.	$ 2,700 00		
Jones' Falls 6% 1900 Loan, redeemed	799.400 00		
Jones' Falls 5% 1900 Loan, redeemed	936,000 00		
Jones' Falls $3\frac{65}{100}$% 1900 Loan, redeemed	468,200 00		
Jones' Falls 3½% 1900 Loan, redeemed	160,000 00		
Jones' Falls 3% 1900 Loan, redeemed	85,000 00		
City Hall 6% 1900 Loan, redeemed	997,100 00		
Funding 6% 1900 Loan, redeemed	794,400 00		
W. M. R. R. 3rd Mortgage Bonds	875,000 00		
		$5,117,800 00	
			$863,700 00

INCREASE OF FUNDED DEBT AUTHORIZED, BUT NOT YET ISSUED AND IN THE CITY TREASURY.

Four Million 3% 1945 Loan, Ordinance No. 137 of 1894	$207,500 00	
Conduit 3½% 1922 Loan, Ordinance No. 120 of 1896	300,000 00	
		$507,500 00
Besides which there has been authorized to be issued, under Ordinance No. 18 of 1898, the W. M. R. R. 3½% 1952 Loan for the purpose of refunding the W. M. R. R. 6% 1902 Loan, due January 1, 1902, amounting to...		$1,000,000 00

It is gratifying to note that the condition of the City's finances continues to improve.

During the past year the following loans have been refunded:

$1,000,000 City Hall 6 per cent.
800,000 Jones' Falls 6 per cent.
957,000 " " 5 per cent.
483,000 " " $3\frac{65}{100}$ per cent.
160,000 " " $3\frac{1}{2}$ per cent.
100,000 " " 3 per cent.
800,000 Funding 6 per cent.
875,000 W. M. R. R. third mortgage 6 per cent. Guaranteed Bonds.

The refunding of these loans at the uniform rate of $3\frac{1}{2}$ per cent. and the resumption of the payment of interest on its obligations to the City, by the Western Maryland Railroad Company, have effected an annual saving to the City of $192,079.50. There will be an additional annual saving of $30,000 after March 7th, 1902, when the $500,000 City Hall stock (the last of the 6 per cent. obligations of the City) shall have been redeemed.

The increment of the various sinking funds during the past fiscal year has amounted to the sum of $1,958,931.43, a very much larger result in this respect, than has ever before been achieved in any one year in the City's history.

Your attention is called to the condition of the sinking funds, as detailed in the report of the Commissioners of Finance; and also to the following statements:

"A." A statement of the funded debt and of the productive and unproductive assets of the City.

"B." A statement of the surplus existing December 31st, 1900.

"C." A statement in detail of the receipts and expenditures for the past fiscal year, with the appropriations for the various accounts.

"D." A statement showing the condition of the fund held by the City Register in trust for property sold for taxes.

Respectfully submitted,

GEORGE N. NUMSEN,
Register of the City of Baltimore.

STATEMENTS.

Statement A.—FUNDED DEBT.

Name of Loan.	Rate.	When Redeemable.	Amount.
W. M. R. R.	6 p. c.	January 1, 1902	$1,000,000 00
City Hall	6 "	March 7, 1902	500,000 00
Harford Run	4 "	November 3, 1904	350,000 00
Water	5 "	July 1, 1916	5,000,000 00
Funding	5 "	" 1, 1916	1,000,000 00
McDonogh Exte's.	5 "	September 1, 1916	280,000 00
Harford Run	4 "	January 1, 1920	250,000 00
Patterson Park Ex.	4 "	October 1, 1920	200,000 00
Paving	4 "	November 1, 1920	500,000 00
Conduit	3½ "	January 1, 1922	700,000 00
Water	4 "	November 1, 1922	500,000 00
W. M. R.R.	4 "	July 1, 1925	684,000 00
Water	4 "	November 1, 1926	1,000,000 00
W. M. R. R.	3¼ "	January 1, 1927	1,704,000 00
Internal Improv't.	3½ "	July 1, 1928	4,850,000 00
Consolidated	3½ "	" 1, 1930	5,000,000 00
Funding	3½ "	" 1, 1936	1,453,300 00
Public Improv't	3½ "	January 1, 1940	6,000,000 00
Refunding	3½ "	" 1, 1940	4,300,000 00
Four Million	3½ "	March 1, 1945	3,792,500 00
W. M. R. R. Rf'dg	3½ "	" 1, 1950	875,000 00
1860 Stock	6 "	Unredeemed, no in. allowed.	482 00
Water 1875	6 "	" " "	270 00
Consolidated 1890	6 "	" " "	1,727 50
Five Million 1890	6 "	" " "	2,003 45
Water 1894	5 "	" " "	700 00
Jones Falls 1900	6 "	" " "	600 00
" " 1900	5 "	" " "	21,000 00
" " 1900	3.65 "	" " "	14,800 00
" " 1900	3 "	" " "	15,000 00
City Hall 1900	6 "	" " "	2,900 00
Funding 1900	6 "	" " "	5,600 00
		Total funded debt	$40,003,882 95

Total funded debt			$40,003,882 95

Productive Assets:

Sinking funds, face value		$ 8,230,908 17	
Water Works, cost		12,500,000 00	
To pay which the following loans were issued:			
Water 5% 1916 Loan	$ 5,000,000 00		
" 5% 1894 Loan (redeemed	4,000,000 00		
Water 4% 1922 Loan	500,000 00		
" 4% 1926 Loan	1,000,000 00		
Of the Four Million 3½ 1945 Loan for extension of water supply	2,000,000 00		
	$12,500,000 00		
550 shares of Baltimore and Reisterstown Turnpike Stock		2,062 50	
137 shares of Baltimore and Frederick Turnpike Stock		456 66	20,733,426 33
Net debt			$19,270,456 62

Unproductive Assets:

Accrued interest paid for Western Maryland Railroad Co		$3,877,187 09	
4,000 shares Western Maryland Railroad Stock		50,000 00	
10,000 shares Valley R. R. of Va			
130 shares Baltimore and Havre de Grace Turnpike Stock			
625 shares Baltimore and Yorktown Turnpike Stock			
Mortgages on Western Maryland R. R		4,263,000 00	
New Courthouse, cost		1,750,000 00	
Electrical Subway Construction, cost		700,000 00	
			$10,640,187 09
Besides other property, such as market houses, wharf property, City Hall, jail, police stations, almshouses, iceboats, quarantine station, public parks, squares, etc., valued at			$11,500,000 00

On the total funded debt amounting to		$40,003,882 95
Interest is provided as follows:		
On Water 5% 1916 Loan, paid from water rents	$5,000,000 00	
On Water 4% 1922 Loan, paid from water rents	500,000 00	
On Water 4% 1926 Loan, paid from water rents	1,000,000 00	
On Four Million 3½% 1945 Loan, (issued for extension of water supply) paid from Water Rents	2,000,000 00	
On Patterson Park 4% 1920 Loan, paid by Park Board	200,000 00	
On Four Million 3½ 1945 Loan, (issued for park purposes) paid by Park Board	792,500 00	
On W. M. R. R. 6% 1902 Loan, paid by W. M. R. R. Co	1,000,000 00	
On W. M. R. R. 4% 1925 Loan, paid by W. M. R. R. Co	684,000 00	
On W. M. R. R. 3¼% 1927 Loan, paid by W. M. R. R. Co	1,704,000 00	
On W. M. R. R. 3½% 1950 Loan, paid by W. M. R. R. Co	875,000 00	
Overdue stock, no interest allowed	65,082 95	
		13,820,582 95
Leaving the amount on which interest is provided for by taxation at		$26,183,300 00

Viz: $ 500,000 interest at 6 per cent.
1,280,000 interest at 5 per cent.
1,100,000 interest at 4 per cent.
23,303,300 interest at 3½ per cent.

$26,183,300

STATEMENT B.

The following statement shows the surplus existing December 31st, 1900:

	Dr.		Cr.	
City Register, cash on deposit	$767,332 12			
Tax sales, property sold and unredeemed.	5,375 44			
Paving footways	33 97			
Car tickets for city employees	177 50			
Paving streets, balances forward	2,842 88			
Removing dangerous walls, to be refunded	616 33			
		$776,378 24		
Due dog licenses and fines			$12,245 62	
" lot and building new truck-house, balance			16,236 91	
" improvement of Harford Run, balance			3,096 89	
" private paving and inspection			2,252 74	
" paving certificates, outstanding			28,277 99	
" free text-books (white), balance			46,983 75	
" " " (colored), "			13,086 14	
" interstate estates, account public schools			1,384 98	
" unclaimed damages for opening streets			117 50	
" opening streets, balance forward			13,132 03	
" cash balance, four million loan			196,225 02	
" " " five "			28,581 88	
" " " six "			61,629 11	
" " " conduit Loan			39,136 11	
" rents, accounts street openings			917 83	
" sundry departments, balances carried forward to pay contracts made in 1900 and liens on city			27,210 23	
" Police Department, balance from salaries brought forward to special fund			19,601 89	
				$510,116 62
Surplus				$266,261 62

STATEMENT C.

NAMES OF ACCOUNTS.	Appropriation.	Face of Ledger		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
Certain Expenses.					
Criminal Court salaries	$12,000 00	$ 9,875 00			
Criminal Court expenses	76,275 00	67,382 47			
Baltimore City Court salaries	8,500 00	8,498 30			
Baltimore City Court expenses	14,118 75	12,970 19			
Court of Common Pleas salaries	8,000 00	7,875 00			
Court of Common Pleas expenses	13,273 75	8,133 80			
Superior Court salaries	7,420 00	7,420 00			
Superior Court expenses	12,767 90	9,629 90			
Circuit Court salaries	3,900 00	3,900 00			
Circuit Court expenses	625 00	276 43			
Circuit Court No. 2 salaries	3,900 00	3,900 00			
Circuit Court No. 2 expenses	625 00	178 60			
Orphans' Court salaries	9,703 00	9,599 00			
Orphans' Court expenses	100 00	55 25			
Judgments and suits	11,000 00	11,119 74	$ 122 60		$ 122 60
Coroners	7,483 87	7,483 87			
City Jail salaries	31,180 00	30,972 51			
City Jail expenses	31,000 00	24,793 64	6,808 23		6,808 23
City Jail, filing cases	1,875 00	1,798 21			
Magistrates salaries	18,550 00	18,495 51			
City Jail, renewal of kitchen furnishings	1,500 00	900 00			
Supreme Bench salaries	4,500 00	4,500 00			
Supreme Bench expenses	656 00	566 83			
Removed cases	3,000 00	5,836 15	3,109 40		3,109 40
Certain expenses			260,805 41	$260,805 41	
	$281,953 27	$256,160 40	$270,845 64	$260,805 41	$10,040 23

Schools.					
Public Schools, office salaries	$10,620 00	$8,446 06	$1,264,575 84	$998,996 80	$265,579 04
Public Schools, general expenses	1,500 00	1,459 78			
Public Schools, day salaries	1,120,035 95	1,091,645 59	1,805 81		1,805 81
Public Schools, day expenses	102,921 92	94,522 38	3,193 59		3,193 59
Public Schools, night salaries	4,470 00	2,858 35			
Public Schools, night expenses	500 00	147 10			
Public Schools, probationary teachers	4,746 60	4,401 00			
Free text books, White schools		4,629 77	45,077 01		45,077 01
Free text books, Colored schools		482 89	7,622 77		7,622 77
Intestate estates			822 16		822 16
Furnishing Baltimore City College	15,000 00	7,852 31			
	$1,259,794 47	$1,216,445 23	$1,323,097 18	$998,996 80	$324,100 38
Police Department.					
Salaries	$831,961 95	$820,475 52	$902,925 52	$894,810 06	$8,115 46
Expenses	62,452 75	62,324 45	31 00		31 00
New Northern Police Station	25,000 00	22,796 95			
	$919,414 70	$905,596 92	$902,956 52	$894,810 06	$8,146 46
Fire Department.					
Salaries	$364,100 00	$363,771 04	$1 53		$1 53
Expenses	120,000 00	93,982 51	1,502 85		1,502 85
	$484,100 00	$457,753 55	$1,504 38		$1,504 38

STATEMENT C—Continued.

Names of Accounts.	Appropriation.	Face of Ledger.		Received From Collector of Taxes.	Received From Other Sources
		Dr.	Cr.		
Health Department.					
Salaries	$45,182 00	$45,247 59	$ 67 20		$ 67 20
Expenses	12,970 00	12,949 02	415 73		415 73
Quarantine Salaries	10,805 00	10,226 11			
Quarantine Expenses	8,980 00	8,964 22	18,256 82		18,256 82
Quarantine, Artesian Well	1,725 00	1,709 72			
Emergency Fund	700 00	699 48			
	$80,362 00	$79,796 14	$18,739 75		$18,739 75
Harbor Board.					
Salaries	$4,900 00	$4,888 82			
Incidentals	500 00	385 15			
Dredging Harbor	35,080 00	35,142 24	$1,052 00		$1,052 00
Maintenance and Repairs Iceboats	15,000 00	15,000 00			
Repairs of Wharves	4,900 00	4,384 91			
Removal of Ashes	1,200 00	723 59			
Removal of Floating Matter	2,500 00	1,417 18			
	$64,080 00	$61,941 89	$1,052 00		$1,052 00

Street Cleaning Department.					
Garbage carts and men	$163,800 00	$163,779 11	$18 00		$18 00
Street carts and men	84,240 00	84,172 50	3 00		3 00
Sweepers and scrapers	83,200 00	83,175 88			
Sweeping machines, sprinklers, etc.	23,500 00	23,053 81			
Contingent Fund	500 00	497 18			
Removal of garbage	9,950 00	9,950 00			
Tools, repairs, etc	2,500 00	2,495 73			
Salaries	15,999 00	14,994 45			
Sale of street dirt			1,533 07		1,533 07
Printing reports	100 00	15 25			
Two new sprinklers	700 00	642 50			
	$384,489 00	$382,776 41	$1,554 07		$1,554 07
General Superintendent of Lamps and Lighting.					
Gas	$146,295 53	$140,213 30	$4,355 71		$4,355 71
Electric lights	180,760 75	164,335 63			
Gasoline	18,405 00	17,148 25			
Lamplighters' salaries	67,834 00	64,575 14			
Salaries	3,000 00	3,000 00			
Incidentals	500 00	327 41	493 85		493 85
	$416,795 28	$389,599 73	$4,849 56		$4,849 56

STATEMENT C.—Continued.

NAMES OF ACCOUNTS.	Appropriations.	Face of Ledger.		Received From Collector of Taxes.	Received From Other Sources
		Dr.	Cr.		
Superintendent of Public Buildings					
City Hall, salaries	$13,606 98	$13,606 34			
" " expenses	9,341 36	9,341 36	$ 94 97		$ 94 97
" " Annex, salaries	2,114 63	2,114 63			
" " " expenses	2 471 85	2,471 85			
New Court House, salaries	22,602 02	22,568 62	60 00		60 00
" " expenses	14,357 08	14,357 02	693 27		693 27
City Hall clocks, etc	1,400 00	43 07			
" " cable, switchboard, etc	7,200 00	7,199 81			
" " elevator and motor	2,000 00	39 60			
	$75,093 92	$71,742 30	$848 24		$848 24
City Librarian.					
Salaries	$ 2,962 50	$ 2,846 55			
Expenses	14,937 14	14,936 02	$42 46		$42 46
	$17,899 64	$17,782 57	$42 46		$42 46
Commissioners for Opening Streets					
Salaries	$6,975 00	$6,975 00			
Expenses	200 00	200 00			
	$7,175 00	$7,175 00			

City Collector's Department.					
Salaries	$32,200 00	$31,765 38			
Expenses	2,100 00	2,099 27			
Tax Bailiffs		22,269 33	$22,269 33		$22,269 33
	$34,300 00	$56,133 98	$22,269 33		$22,269 33
Appeal Tax Court.					
Salaries	$17,050 00	$16,863 34			
Expenses	1,768 75	1,766 00			
Biennial assessment	100 00				
Refund of taxes	6,000 00	3,324 65			
	$24,918 75	$21,953 99			
Liquor License Commission.					
Salaries	$10,577 52	$10,300 00			
Expenses	4,050 00	4,027 78			
	$14,627 52	$14,327 78			
Supervisors of Elections.					
Elections	$21,889 00	$18,198 50			
Registration	58,356 00	52,583 60			
Salaries	10,500 00	10,250 09			
Expenses	2,041 00	1,341 03	$146 63		$146 63
	$92,786 00	$82,373 22	$146 63		$146 63

STATEMENT C.—Continued.

Names of Accounts.	Appropriations.	Face of Ledger.		Received From Collector of Taxes.	Received From Other Sources
		Dr.	Cr.		
Dept of Charities and Corrections					
Bayview Asylum, (salaries)	$26,200 00	$22,457 18	$ 14 00		$ 14 00
" " (expenses)	83,300 00	82,426 03	881 32		881 32
Transportation of poor	800 00	507 55	65 30		65 30
Friendly Inn Association	999 60	999 60			
Free Bath Commission	4,300 00	4,260 19	2,123 04		2,123 04
Fines		80 00	9,093 61		9,093 61
Board—Insane patients		51 93	7,341 99		7,341 99
Women's Medical College Free Dispensary	400 00	365 20			
Hospital for the Relief of Crippled and Deformed Children	3,248 19	3,048 19			
St. Joseph's House of Industry	1,521 44	1,521 44			
St. Elizabeth's Home for Colored Children	3,504 00	3,504 00			
Baltimore Manual Labor School for Indigent Boys	1,474 40	1,474 40			
St. Mary's Female Orphan Asylum	9,260 40	8,960 40			
St. Vincent's Male Orphan Asylum	1,582 40	1,582 40			
St. Mary's Home for Little Colored Boys	756 80	756 80			
Nursery and Child's Hospital	3,682 56	3,682 56			
St. Vincent's Infant Asylum	5,987 52	5,987 52			
House of the Good Shepherd for Colored Girls	2,500 00	2,500 00			
Hospital for Consumptives of Maryland and Baltimore City	1,712 99	1,512 99			

Home of the Friendless	$ 2,102 40	$ 2,102 40		
Industrial Home for Colored Girls	2,537 98	2,537 98		
House of Reformation for Colored Boys	12,193 57	11,593 57		
The Boys' Home Society	2,826 56	2,826 56		
Maryland Home for Friendless Colored Children	746 72	746 72		
Baltimore Medical College Dispensary	400 00	375 00		
Hebrew Hospital Asylum Association	1,651 81	1,651 81		
General German Orphan Association.	992 80	992 80		
House of Refuge	23,529 04	22,709 50		
St. Mary's Industrial School	20,600 00	20,000 00		
Baltimore Eye, Ear and Throat Charity Hospital Dispensary	800 00	699 97		
Female House of Refuge	5,000 00	5,000 00		
Baltimore General Dispensary	1,000 00	1,000 00		
Baltimore Eastern Dispensary	1,000 00	1,000 00		
Southern Homeopathic Medical College and Dispensary	500 00	450 00		
Evening Dispensary for Working Women and Girls	800 00	625 00		
Southern Free Dispensary	600 00	479 60		
Northeastern Free Dispensary	1,000 00	1,000 00		
College of Physicians and Surgeons' Dispensary	1,350 00	1,299 90		
Salaries	4,200 00	4,184 21		
Expenses	700 00	645 83		
Amounts carried forward	$235,761 18	$227,599 23	$19,519 26	$19,519 26

STATEMENT C.—Continued.

NAMES OF ACCOUNTS.	Appropriations.	Face of Ledger.		Received from Collector of Taxes.	Received from Other Sources
		Dr.	Cr.		
Amounts brought forward	$235,761 18	$227,599 23	$19,519 26		$19,519 26
Second Hospital for Insane	25,626 91	25,614 20			
Maryland Hospital for Insane	36,959 23	36,959 23			
Baltimore University Hospital	1,791 56	1,591 56			
Hospital of the Good Samaritan	3,159 34	2,959 34			
Maryland Homeopathic Hospital	4,754 65	4,554 65			
Provident Hospital	1,887 68	1,687 68			
College of Physicians and Surgeons	16,440 84	16,167 35			
Maryland General Hospital	8,380 25	8,180 25			
University of Maryland Hospital	8,921 60	8,721 60			
St. Agnes' Hospital	4,465 39	4,265 39			
St. Joseph's Hospital	5,237 51	5,037 51			
Mount Hope Retreat	41,698 50	41,698 50			
Montevieu Hospital	115 36	115 36			
City Poor			378,712 75	378,712 75	
Bayview Asylum Repairs	2,150 00	2,150 00			
	$397,350 00	$387,301 85	$398,232 01	$378,712 75	$19,519 26

Inspector of Buildings.					
Salaries	$11,625 00	$11,625 00			
Repairs of City Property (Consolidated.)	120,000 00	116,250 00			
Emptying Cesspools	600 00	588 00			
Incidentals	500 00	500 00			
Livery and Transportation	500 00	437 75			
Building Grammar School No. 7	2,425 25	2,425 25			
Building Baltimore City College	2,400 00	2,304 18			
Lot and Building New Truck House (No. 11)		8,058 41			
Permits, Sheds, etc		1,071 97	8,119 95		8,119 95
Dangerous Walls		616 33			
	$138,050 25	$143,876 89	$8,119 95		$8,119 95
City Engineer's Department.					
Repairs and Paving of Cross Streets	$25,000 00	$22,236 09			
" of Sewers	25,000 00	25,000 00	$28 00		$28 00
" and Painting of Bridges	15,400 00	15,403 44	7 50		7 50
" of Roads, Streets, etc	150,000 00	149,369 32	12 91		12 91
Flag and Stepping Stones	4,000 00	3,993 60			
Livery and Transportation	1,000 00	1,000 00			
Maintenance of Light street Bridge	7,000 00	7,000 00			
Salaries	25,000 00	26,415 91	2,081 64		2,081 64
Incidentals	1,000 00	983 25			
Amounts carried forward	$253,400 00	$251,401 61	$2,130 05		$2,130 05

STATEMENT C.—Continued.

Names of Accounts.	Appropriations.	Face of Ledger.		Received From Collector of Taxes.	Received From Other Sources
		Dr.	Cr.		
Amounts brought forward	$253,400 00	$251,401 61	$2,130 05		$2,130 05
Advertising	500 00	242 99			
Paving Footways		22 33	141 40	$141 40	
Property Yard	1,000 00	1,000 00			
Grade Establishments	1.500 00	113 07			
" Advertising		58 91	75 00		75 00
Inspection and Private Paving		9,631 13	10,595 34		10,595 34
Improvements and Additions to Drainage System	25,000 00	23,078 89			
Paving Certificates		6,778 03	496 68		496 68
Sale of Old Materials		6 29	1,221 01		1,221 01
Paving Lovegrove alley			400 58	400 58	
" Bank Lane		40 47			
" Collington Avenue			100 00	100 00	
" Clifton avenue		1,071 76	1,823 84	1,823 84	
" North avenue		25 81			
" Eutaw Place		52 16			
" Eager street		2,512 41			
" Thirteenth street		544 31	2,486 28	2,486 28	
" Forrest street		1,955 48			
" St. Paul street		100 64			
	$281,400 00	$298,636 29	$19,470 18	$4,952 10	$14,518 08

Park Commission.					
Park Board		$296,594 73	$295,332 13		$295,332 13
Ashland Square		8 32	8 32		8 32
Broadway Square, 1st division		165 00	165 00		165 00
Broadway Square, 2d division		165 00	165 00		165 00
Broadway Square, 3d division		165 00	165 00		165 00
Eastern Fountain		150 00	150 00		150 00
Eutaw Place Square, 1st division		180 00	180 00		180 00
Eutaw Place Square, 2d division		150 00	150 00		150 00
Fulton Avenue Square		150 00	150 00		150 00
Franklin Square		150 00	150 00		150 00
Jackson Square		150 00	150 00		150 00
Madison Square		150 00	150 00		150 00
Mt. Royal Avenue Square		120 00	120 00		120 00
Perkins Spring Square		165 00	165 00		165 00
Park Place Square		75 00	75 00		75 00
Lafayette Square		180 00	180 00		180 00
Taney Place Square		75 00	75 00		75 00
Wilkens Avenue Square		150 00	150 00		150 00
Union Square		150 00	150 00		150 00
Harlem Park		261 00	261 00		261 00
Condemnation of Land for Park Purposes		3,169 20			
		$302,523 25	$298,091 45		$298,091 45

STATEMENT C.—Continued.

NAMES OF ACCOUNTS.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources
General Expenditures.					
City Council Salaries	$46,300 00	$46,300 00			
City Council Expenses	10,977 25	10,642 88			
Mayoralty Salaries	10,400 00	10,400 00			
Mayoralty Expenses	2,000 00	1,441 12			
Salaries (not otherwise provided for)	9,400 00	9,005 47			
Public Printing	7,000 00	2,834 74			
Interest on Paving Certificates	812 53	812 53			
Interest on Deposits		5,421 46	$34,442 49		$34,442 49
State Tax on City Loans	54,253 75	54,457 88	5,292 16		5,292 16
Ground Rents on City Property	53,000 00	50,552 34	1,557 00		1,557 00
Insurance on City Property	1,500 00	625 00			
Maryland Institute	9,000 00	9,000 00			
Transportation to House of Correction	500 00	280 00			
Dog Licenses and Fines		26,289 80	15,802 00		15,802 00
General Licenses	1,000 00	725 69	41,779 92		41,779 92
Assistant to Examiner of Titles	300 00	300 00			
Hose for Various Markets	800 00	779 05			
Enoch Pratt Free Library Fund	2,700 00	2,700 00			
Pension Account Wm. H. War	260 00	260 00			
Veteran Volunteer Firemen's Assoc'n	450 00	450 00			
Water for Fire Plugs at Carroll	400 00	300 00			

Topographical Survey Salaries	$5,340 00	$5,185 82			
Topographical Survey Expenses	125 00	119 26	$ 59 75		$ 59 75
Ensor Street Rents			194 90		194 90
Pennsylvania Avenue Rents			546 82		546 82
Broadway Hall		56 25	175 00		175 00
Cross Street Hall		128 25	356 00		356 00
Hollins Hall		53 15	123 00		123 00
Interest on Stock Debt	1,575,278 95	1,573,584 31	1,614,948 08	$909,267 25	705,680 83
Tax on Income from Mortgages			18,192 57	18,192 57	
Tax on Securities			195,288 96	195,288 96	
Public Franchises		881 60	33,080 13		33,080 13
Tax Sales		5,792 32	125 92		125 92
Turnpike Dividends			116 32		116 32
Auction Duties			3,512 76		3,512 76
Wharfage		8,225 96	36,861 83		36,861 83
Telephone Conduits			10,468 35		10,468 35
Contingent Fund	5,124 99	4,981 48			
Liquor Licenses			396,529 67		396,529 67
Lovegrove Alley Rents			40 00		40 00
Interest on Temporary Loans	10,000 00	2,033 34			
Temporary Loans		300,000 00	300,000 00		300,000 00
Interest on Taxes in Arrears			52,387 57	52,387 57	
Board of Estimates	1,000 00	589 73			
Direct Tax			1,531,502 40	1,531,502 40	
Amounts carried forward	$1,807,922 47	$2,135,209 43	$4,293,383 60	$2,706,638 75	$1,586,744 85

STATEMENT C.—Continued.

Names of Accounts.	Appropriations.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources
Amounts brought forward	$1,807,922 47	$2,135,209 43	$4,293,383 60	$2,706,638 75	$1,586,744 85
Belair Market		522 15	10,094 10		10,094 10
Canton Market		206 54	441 90		441 90
Centre Market		653 40	5,024 40		5,024 40
Cross Street Market		318 75	4,361 40		4,361 40
Fells Point Market		521 25	7,082 95		7,082 95
Hanover Market		444 71	4,014 00		4,014 00
Hollins Market		339 80	3,640 70		3,640 70
Lafayette Market		273 28	2,756 80		2,756 80
Lexington Market		642 55	15,654 35		15,654 35
Northeast Market		325 30	2,076 05		2,076 05
Richmond Market		419 99	3,961 50		3,961 50
Fire Damages		42 00	42 00		42 00
City Car Tickets		3,750 00	3,572 50		3,572 50
Inspector of Weights and Measures		6,621 93	6,621 93		6,621 93
Municipal Lighting Commission	500 00	18 30			
Board of Public Improvements	1,000 00	1,000 00			
Mayor and City Council (surplus)		473,450 63			
Conscience Fund			3 00		3 00
Forfeitures			500 00		500 00
City Seal			8 60		8 60
Dog Licenses and Fines (revenue)			20,000 00		20,000 00
	$1,809,422 47	$2,624,760 01	$4,383,239 78	$2,706,638 75	$1,676,601 03

City Register's Department.					
Salaries	$10,500 00	$10,500 00			
Expenses	750 00	749 99			
	$11,250 00	$11,249 99			
City Comptroller's Department.					
Salaries	$12,400 00	$12,316 51			
Expenses	750 00	378 93	$5 00		$5 00
	$13,150 00	$12,695 44	$5 00		$5 00
Law Department.					
Salaries	$10,600 00	$10,600 00			
Expenses	2,025 00	1,727 19			
	$12,625 00	$12,327 19			
Sinking Funds.					
General Sinking Fund	$111,967 38	$128,500 77	$128,500 77	$128,500 77	
Water 1916 "	58,118 10	62,510 74	62,510 74	62,510 74	
" 1922 "	14,529 52	15,627 73	15,627 73	15,627 73	
" 1926 "	29,059 05	31,255 42	31,255 42	31,255 42	
Conduit 1922 "	29,059 05	28,468 59	28,468 59	28,468 59	
Internal Improvement 1928 Sinking Fund	87,177 14	93,766 21	93,766 21	93,766 21	
Funding 1936 Sinking Fund	29,059 05	31,158 28	31,158 28	31,158 28	
Amounts carried forward	$358,969 29	$391,287 74	$391,287 74	$391,287 74	

STATEMENT C.—Continued.

NAMES OF ACCOUNTS.	Appropriations.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources
Amounts brought forward	$358,969 29	$391,287 74	$391,287 74	$391,287 74	
Public Improvem't 1940 Sinking Fund	58,118 10	62,510 76	62,510 76	62,510 76	
Four Million 1945 Sinking Fund	14,529 52	15,627 74	15,627 74	15,627 74	
Refunding 1940 Sinking Fund	51,108 00	51,742 42	51,742 42	51,742 42	
	$482,724 91	$521,168 66	$521,168 66	$521,168 66	
Opening Streets.					
Opening Bouldin alley		$112 33			
" Clarkson "		715 87	$322 25	$322 25	
" Mount street		245 80	1,483 99	1,483 99	
" Scott street		72 78			
" Burke street		1,399 90	238 00		$238 00
" Belt street		149 03			
" St. Paul street		17 60	1,569 74	1,569 74	
" Baxter street	$4,772 79	9,757 27	10,046 52	10,046 52	
" Ducatel street		28 10	2,742 91	2,742 91	
" Castle street		870 00	339 00	339 00	
" Ensor street		7,139 06	1,161 00	360 00	801 00
" Grove street		620 00	600 00	600 00	
" Hoffman street	2,014 34	2,833 33	2,014 34	2,014 34	

Opening Jefferson street		$72 15			
" Northwest street	$6,627 59	15,777 13	$15,235 59	$15,235 59	
" Payson street, Ord. 94, '98	8,875 36	12,172 91	11,794 94	11,794 94	
" Payson street Ord. 130, '91		1,897 50	568 50	568 50	
" Seventy-foot st., Ord. 133, '93		393 33	133 33	133 33	
" Patuxent street		1,070 64	474 25	474 25	
" Paca street, (south)		300 66	135 00	135 00	
" Collington avenue			15 00		$15 00
" Fairmount avenue		15 00	5 00	5 00	
Closing Mine Bank lane		361 16			
Opening streets		22,290 08	33,675 19	33,675 19	
	$22,290 08	$78,311 63	$82,554 55	$81,500 55	$1,054 00

Water Board.

Water Board, (Receipts from water rents)		$231,220 65	$932,022 22	$932,022 22
Meters		6,275 41	16,950 69	16,950 69
Registrar's Department Salaries		22,559 72		
" " — Expenses		381,142 17		
Water Engineer's Department—Salaries		75,639 40	5 70	5 70
Water Engineer's Department Expenses		294,674 98	1 97	1 97
		$1,011,512 33	$948,980 58	$948,980 58

STATEMENT C.—Continued.

Names of Accounts.	Appropriations.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources
Public Improvement Loan, 1940.					
Furnishing New Court-House		$201,541 71			
Harris-creek Sewer		240 65			
Brice alley and Mosher-street sewer		229 82			
Eager street sewer		365 89			
Stockholm-street sewer		122 98			
Burgundy-alley sewer		1,055 52			
Webster-street sewer		1,730 44			
Inlets to Mosher-street sewer, Ord. 132, 1898		97 01			
Inlets to Mosher-street sewer, Ord. 63, 1900		909 85	$1 67		$1 67
Cathedral-street sewer		371 33			
		$206,665 20	$1 67		$1 67
Internal Improvement Loan, 1928.					
Lee-street sewer		$71 16			
		$71 16			

Four Million Loan 1945.					
General Account			$456,500 00		$456,500 00
Extension of Water Supply		85,243 37	45 60		45 60
Building New Court House		240,595 71			
		$325,839 08	$456,545 60		$456,545 60
Conduit Loan 1922.					
Electrical Subway Commission		$285,690 98	351,126 71		$351,126 71
		$285,690 98	$351,126 71		$351,126 71

STATEMENT C.—Continued.

Names of Accounts.	Appropriations.	Face of Ledger.		Received From Collector of Taxes.	Received From Other Sources
		Dr.	Cr.		
Summary.					
Certain expenses	$281,953 27	$ 256,160 40	$ 270,845 64	$260,805 41	$ 10,040 23
Schools	1,259,794 47	1,216,445 23	1,323,097 18	998,996 80	324,100 38
Police Department	919,414 70	905,596 92	902,956 52	894,810 06	8,146 46
Fire Department	484,100 00	457,753 55	1,504 38		1,504 38
Health Department	80,362 00	79,796 14	18,739 75		18,739 75
Harbor Board	64,080 00	61,941 89	1,052 00		1,052 00
Street Cleaning Department	384,489 00	382,776 41	1,554 07		1,554 07
Superintendent of Lamps and Lighting	416,795 28	389,599 73	4,849 56		4,849 56
Superintendent of Public Buildings	75,093 92	71,742 30	848 24		848 24
City Librarian	17,899 64	17,782 57	42 46		42 46
Commissioners for Opening Streets	7,175 00	7,175 00			
City Collector's Department	34,300 00	56,133 98	22,269 33		22,269 33
Appeal Tax Court	24,918 75	21,953 99			
Liquor License Commission	14,627 52	14,327 78			
Supervisors of Elections	92,786 00	82,373 22	146 63		146 63
Department of Charities and Corrections	397,350 00	387,301 85	398,232 01	378,712 75	19,519 26
Inspector of Buildings	138,050 25	143,876 89	8,119 95		8,119 95
City Engineer's Department	281,400 00	298,636 29	19,470 18	4,952 10	14,518 08
Park Commission		302,523 25	298,091 45		298,091 45
General Expenditures	1,809,422 47	2,624,760 01	4,383,239 78	2,706,638 75	1,676,601 03

City Register's Department	$11,250 00	$11,249 99			
City Comptroller's Department	13,150 00	12,695 44	$5 00		$5 00
Law Department	12,625 00	12,327 19			
Sinking Funds	482,724 91	521,168 66	521,168 66	521,168 66	
Opening Streets	22,290 08	78,311 63	82,554 55	81,500 55	1,054 00
Water Board		1,011,512 33	948,980 58		948,980 58
Public Improvement Loan 1940		206,665 20	1 67		1 67
Internal Improvement Loan 1928		71 16			
Four Million Loan 1945		325,839 08	456,545 60		456,545 60
Conduit Loan 1922		285,690 98	351,126 71		351,126 71
		$10,244,189 06	$10,015,441 90	$5,847,585 08	$4,167,856 82
Cash Balance Dec. 31, 1899			996,079 28		996,079 28
Cash Balance Dec. 31, 1900		767,332 12			
	$7,326,052 26	$11,011,521 18	$11,011,521 18	$5,847,585 08	$5,163,936 10

STATEMENT D.

Fund Held in Trust by the City Register for Property Sold for Taxes, December 31, 1900.

Consolidated Three-and-a-half Per Cent. 1930 Loan	$12,151 70	
Public Improvement Three-and-a-half Per Cent. 1940 Loan	2,800 00	
Water Five Per Cent. 1916 Loan	700 00	
Refunding Three-and-a-half Per Cent. 1940 Loan	5,700 00	
Cash	360 12	
		$21,711 82

REPORT OF THE
COMMISSIONERS OF FINANCE.
FOR THE YEAR 1900

REPORT.

DEPARTMENT OF FINANCE, CITY HALL,
BALTIMORE, December 31, 1900.

To the Honorable the Members of the First and
Second Branches of the City Council of Baltimore.

GENTLEMEN: The Commissioners of Finance have the honor to submit herewith for your consideration statements in detail exhibiting their transactions during the current year as follows:

1. A summary of receipts and payments on account of the various sinking funds.

2. A statement showing the purchases of stock for the sinking funds.

3. A statement showing the condition of the various sinking funds.

4. A statement of the condition of the Enoch Pratt Free Library Fund.

5. A statement of the condition of the Horwitz Benevolent Fund.

6. A statement of the condition of the Frederick Raine Fund.

7. A schedule of real estate and ground rents from which income is derived.

8. A balance sheet of sinking funds' ledger.

9. A statement of the funded debt.

10. A statement showing the indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore.

The matters embraced in the foregoing are exhibited under their respective heads in a detailed form in the appendix to this report.

1.—*Receipts and Payments.*

The receipts were derived from:

Cash to credit of sinking funds on December 31, 1899	$ 63,825	06
Interest on stocks and investments	270,883	55
Rental of real estate	31,223	60
" Hillen Station, Ord. 97, 1875	16,000	00
" Western Maryland Railroad Terminal Co. Depot, Ord. 92, 1882	9,181	47
Interest from city depositories on daily balances	12,673	34
Sale of $3,500,000 Refunding Three-and-one-half Per Cent. 1940 Loan at 112.91	3,951,850	00
Sale of $800,000 Refunding Three-and-one-half Per Cent. 1940 Loan at 100, (to sinking funds)	800,000	00
Sale of $875,000 Western Maryland Railland Three-and-one-half Per Cent. 1950 Loan at 113.175	990,281	25
Redemption of Jones' Falls Six Per Cent. 1900 Loan	47,200	00
Redemption of Jones' Falls Five Per Cent. 1900 Loan	95,500	00
Redemption of Jones' Falls 3.65 Per Cent. 1900 Loan	12,500	00
Redemption of City Hall Six Per Cent. 1900 Loan	82,100	00
Redemption of Funding Six Per Cent. 1900 Loan	51,200	00
Redemption of Western Maryland Railroad Six Per Cent. Third Mortgage Bonds	136,500	00
Park Board, five per cent. on gross receipts of park tax	17,777	18
Water Board, surplus for 1900	229,412	73
Mayor and City Council for Enoch Pratt Free Library Fund	2,700	00
Collector of Taxes for General Sinking Fund	128,500	77
Collector of Taxes for Public Improvement 1940 Loan Sinking Fund	62,510	76
Collector of Taxes for Internal Improvement 1928 Loan Sinking Fund	93,766	21
Collector of Taxes for Four Million 1945 Loan Sinking Fund	15,627	74
Collector of Taxes for Funding 1936 Loan Sinking Fund	31,158	28
Collector of Taxes for Water 1922 Loan Sinking Fund	15,627	73
Collector of Taxes for Water 1916 Loan Sinking Fund	62,510	74
Collector of Taxes for Water 1926 Loan Sinking Fund	31,255	42
Amount carried forward	$7,261,765	83

Amount brought forward	$7,261,765 83	
Collector of Taxes for Conduit 1922 Loan Sinking Fund	28,468 59	
Collector of Taxes for Refunding 1940 Loan Sinking Fund	51,742 42	
Mayor and City Council, surplus for 1899	473,450 63	
Western Maryland Railroad Company on account of interest due July 1, 1900, on Western Maryland Railroad Six Per Cent. 1902 Loan	17,500 00	
		$7,832,927 47

The payments were as follows:

Investment purchases	$2,109,030 40	
Interest on Western Maryland Railroad Six Per Cent. 1902 Loan	60,000 00	
Interest on Western Maryland Railroad Six Per Cent. Third Mortgage Bonds	35,000 00	
Redemption of Water Five Per Cent. 1894 Loan	2,700 00	
Redemption of Western Maryland Railroad Third Mortgage Guaranteed Bonds	875,000 00	
Redemption of Jones' Falls Six Per Cent. 1900 Loan	799,400 00	
Redemption of Jones' Falls Five Per Cent. 1900 Loan	936,000 00	
Redemption of Jones' Falls 3.65 Per Cent. 1900 Loan	468,200 00	
Redemption of Jones' Falls Three-and-one-half Per Cent. 1900 Loan	160,000 00	
Redemption of Jones' Falls Three Per Cent. 1900 Loan	85,000 00	
Redemption of City Hall Six Per Cent. 1900 Loan	997,100 00	
Redemption of Funding Six Per Cent. 1900 Loan	794,400 00	
Ground rents purchased by authority of Ordinance No. 81, 1881	109,420 82	
Accrued rent on ground rents purchased	1,692 67	
Annuity to Enoch Pratt Free Library	50,000 00	
School Board, on account of Frederick Raine Fund	7 00	
Maryland Institute, on account of Frederick Raine Fund	7 00	
Accrued interest on $3,500,000 Refunding Three-and-one-half Per Cent 1940 Loan	34,270 83	
Advertising for proposals, books, etc	2,575 77	
Clerical assistance	100 00	
		7,519,904 49
Balance to credit of Sinking Funds Dec. 31, 1900		$313,022 98

2.—Purchases of Stock.

This statement is submitted in obedience to Section 13, Article 47, Baltimore City Code, and exhibits in detail the purchases of stock during the current year, amounting to $2,091,100, at a cost of $2,109,030 40.

3.—The Sinking Funds for the Redemption of the Public Debt.

This statement shows the condition of the Sinking funds held in trust by the Commissioners of Finance for the redemption of the various loans at their maturity, which aggregate $8,230,908.17.

4.—Enoch Pratt Free Library Fund.

This statement shows the condition of the Enoch Pratt Free Library Fund, under the control of the Commissioners of Finance, who were required "to invest the interest upon the investments in the Sinking Fund, and the interest upon the interest, as the same shall be received, in the public debt of the City of Baltimore until the annual income from said investments shall reach the sum of fifty thousand dollars." In the meantime the Mayor and City Council were required to pay the annuity by tax levy. In 1892 taxation for this purpose ceased for the reason that the income from the investments contained in the fund yielded $50,341.

By the redemption of the five and six per cent. loans in the fund from 1893 to the present year, and the reinvestments of the amounts received therefrom in stock bearing three and one-half per cent. interest, the income has been reduced to $46,437, consequently it will be necessary for the Mayor and City Council to supply the annual deficiency of $3,563 by taxation.

The income for the present year was reduced to $45,596.84 by the redemption of several loans maturing early in the year and the inability to re-invest the proceeds, until after July 1, 1900, thereby losing the interest on the amount of the redeemed loans from the date of payment to close of year, consequently the total deficiency in the income was $4,403.16, of which the Mayor and City Council paid $2,700 and have provided for the balance ($1,703.16) in the levy for 1901 in addition to the amount of $3,563 named above.

5.—The Horwitz Benevolent Fund.

This statement shows the condition of the Horwitz Benevolent Fund under the management of the Commissioners of Finance, who, on December 28, 1888, under authority of Resolution No. 7 of 1888 accepted from the executors of Orville Horwitz, deceased, the sum of ten thousand ($10,000) dollars, which, with its increments, is in the said last will and testament directed to be known as the "Horwitz Benevolent Fund."

6.—*The Frederick Raine Fund.*

This statement shows the condition of the Frederick Raine Fund under the control of the Commissioners of Finance, who on November 6, 1897, under authority of Resolution No. 51 of 1897, accepted from the executors of the estate of Frederick Raine, deceased, four hundred dollars (and accrued interest amounting to eighteen dollars and seventy cents), which amount has been invested in city stock; "the interest on two hundred dollars thereof to be annually expended for a medal, to be known as the "Frederick Raine Medal," and to be presented to the student in Baltimore City College who shall be adjudged, by the methods of determining merit practiced in said college, to be most proficient in the study of the German language and German literature," and "the interest on two hundred dollars thereof to be annually expended for a medal known as the 'Frederick Raine Medal,' and to be presented to the student in the Maryland Institute for the Promotion of the Mechanic Arts, who shall be adjudged by the methods of determining merit practiced in said institute, to be most proficient in mechanical drawing," according to the terms of the last will and testament of said Frederick Raine, deceased.

7.—*Real Estate and Ground Rents.*

The schedule of real estate and ground rents presented in this form for convenience of reference embraces only so much of the city property as is in control and shown upon the books of the Commissioners of Finance, and from which income is derived from rentals.

The income derived from public wharves and market houses being applied to current expenses of the Mayor and City Council does not appear in these accounts. (Sec. 14, Art. 47, City Code).

8.—*Balance Sheet of Sinking Funds Ledger.*

This statement shows the cash balance of the Sinking Funds, which is on December 31, 1900—$313,022.98.

Increment of Sinking Funds.

The increment of the Sinking Funds from December 31, 1899, to December 31, 1900, amounting to			$1,958,931 43
Was derived thus:			
From interest upon investments		$220,759 84	
From rental of Hillen Station	$16,000 00		
Less amount set apart in Sinking Fund	2,000 00		
		14,000 00	
From rental of W. M. R. R. Ter. Co. Depot	9,181 47		
Less amount set apart in Sinking Fund	1,311 60		
		7,869 87	
From rental of real estate		31,223 60	
From premium on sale of $3,500,000 Refunding Three and One-half Per Cent. 1940 Loan		451,850 00	
From premium on sale of $875,000 W. M. R. R. Three and One-half Per Cent 1950 Loan		115,281 25	
From Water Board, surplus for 1900		229,412 73	
From Park Board, 5 per cent. on gross receipts of park tax		17,777 18	
From City Collector, by tax levy		521,168 66	
From city depositories, interest on deposits		12,673 34	
From Mayor and City Council, surplus for 1899		473,450 63	
From Western Maryland R. R. Co. account July, 1900, interest on W. M. R. R. Co. 1902 Loan		17,500 00	
			2,112,967 10
From which deduct:			
One year's interest paid on W. M. R. R. Six Per Cent. 1902 Loan		60,000 00	
Eight months' interest paid on W. M. R. R. Six Per Cent. Third Mortgage Bonds.		35,000 00	
Premiums on purchase of stocks		17,696 40	
Redemption of Water Five Per Cent. 1894 Loan		2,700 00	
Accrued rent on ground rents purchased		1,692 67	
Accrued interest on $3,500,000 Refunding 1940 Loan paid to Mayor and City Council		34,270 83	
Sundry expenses		2,675 77	
			154,035 67
			$1,958,931 43

And disbursed, as shown by Statement No. 1 in Appendix.

9.—Funded Debt.

The funded debt on December 31, 1900		$40,003,882 95
On December 31, 1899, it amounted to.....		39,140,182 95
Showing an increase during the year of....		$863,700 00
Thus:		
Four Million Three and One-half Per Cent. 1945 Loan issued.....	$456,500 00	
Conduit Three and One-Half Per Cent. 1922 Loan issued.....	350,000 00	
Refunding Three and One-Half Per Cent. 1940 Loan issued.....	4,300,000 00	
W. M. R. R. Three and One-Half Per Cent. 1950 Loan issued.....	875,000 00	
	$5,981,500 00	
Less:		
Water Five Per Cent. 1894 Loan redeemed.....$	2,700 00	
Jones' Falls Six Per Cent. 1900 Loan redeemed.....	799,400 00	
Jones' Falls Five Per Cent. 1900 Loan redeemed.....	936,000 00	
Jones' Falls 3.65 Per Cent. 1900 Loan redeemed.....	468,200 00	
Jones' Falls Three and One-half Per Cent. 1900 Loan redeemed.	160,000 00	
Jones' Falls Three Per Cent. 1900 Loan redeemed.....	85,000 00	
City Hall Six Per Cent. 1900 Loan redeemed.....	997,100 00	
Funding Six Per Cent. 1900 Loan redeemed.....	794,400 00	
W. M. R. R. Third Mortgage Bonds retired..	875,000 00	
	5,117,800 00	
		863,700 00
Increase of funded debt authorized but not yet issued and in the City Treasury:		
Four Million Three and One-half Per Cent. 1945 Loan, Ordinance No. 137 of 1894....	$207,500 00	
Conduit Three and One-half Per Cent. 1922 Loan, Ordinance No. 120 of 1896.....	300,000 00	
		507,500 00
Besides which there has been authorized to be issued under Ordinance No. 18 of 1898, the W. M. R. R. Three and One-half Per Cent. 1952 Loan for the purpose of refunding the W. M. R. R. Six Per Cent. 1902 Loan, due January 1, 1902, amounting to.....	1,000,000 00	

The Financial Condition of the Corporation.

Amount of funded debt December 31, 1900..... $40,003,882 95

Against which the Corporation has the following assets:

Productive.

Sinking Funds, face value.....	$8,230,908 17	
Water Works, cost.....	12,500,000 00	
By issue of the following loans:		
Water Five Per Cent. 1916 Loan, outstanding.....$5,000,000 00		
Water Five Per Cent. 1894 Loan, redeemed..... 4,000,000 00		
Water Four Per Cent. 1922 Loan, outstanding 500,000 00		
Water Four Per Cent. 1926 Loan, outstanding 1,000,000 00		
Four Million Three and a-half Per Cent. 1945 Loan, outstanding 2,000,000 00		
550 Shares Baltimore and Reisterstown Turnpike Stock.....	2,062 50	
137 Shares Baltimore and Frederick Turnpike Stock.....	456 66	
		20,733,427 33
Net debt.....		$19,270,455 62

Unproductive.

Accrued interest paid for Western Maryland Railroad Company.....	$3,877,187 09	
4,000 shares Western Maryland Railroad Stock, market value.....	50,000 00	
Mortgages on Western Maryland Railroad	4,263,000 00	
10,000 Shares Valley Railroad of Virginia Stock, 130 Shares of Baltimore and Havre de Grace Turnpike Stock, 625 Shares of Baltimore and Yorktown Turnpike Stock.....	.....	
		$8,190,187 09

Besides other property, such as market houses, engine houses and apparatus, subway system, courthouse, wharf property, school houses, City Hall, jail, police stations, parks, squares, almshouses, ice boats, quarantine station, etc., valued at $13,950,000 00

The foregoing statement does not embrace any items connected with the current receipts and disbursements, but refers only to the stock obligations of the corporation and to investments specially set apart for the redemption of the same. The accounts now submitted for your consideration exhibit in detail all the transactions of the Commissioners of Finance for the past fiscal year.

They show the receipts, including a cash balance of $63,825.06, at the beginning of the year, to have been	$7,832,927 47
And the payments to have been	7,519,904 49
Thus leaving a balance in bank to credit of sinking funds on December 31, 1900, of	$313,022 98

The value of the sinking funds on December 31, 1900, is	$8,230,908 17
The value of the sinking funds on December 31, 1899, was	6,212,076 74
Showing an increase during the year of	$2,018,831 43

Thus:

Increment of the funds during the year	$1,958,931 43	
Balance in hand for the redemption of the Jones' Falls, City Hall and Funding Loans, outstanding	59,900 00	
		$2,018,831 43

Under Ordinance No. 18, of 1898 authority was conferred upon the Mayor and City Council of Baltimore to issue $1,875,000 of three-and-one-half per cent. stock running for 50 years from date of issue, for the purpose of refunding $875,000 Western Maryland Railroad Six Per Cent. Third Mortgage Bonds, endorsed by the Mayor and City Council of Baltimore, and due January 1, 1900, and $1,000,000 of City stock, due January 1, 1902, known as the Western Maryland Railroad Six Per Cent. 1902 Loan, issued for the purpose of aiding the Western Maryland Railroad Company, both issues being secured by mortgages on property of said railroad company, known as the third and fourth mortgages.

On March 1, 1900, after a new mortgage for $1,875,000 had been given by the Western Maryland Railroad Company to the Mayor and City Council of Baltimore, and duly recorded, $875,000 of above-named stock was sold and issued, and the payment of the third mortgage bonds was commenced on March 1, 1900, from the net proceeds of the sale of stock, the premium received therefrom being placed in a special sinking fund for the redemption of the stock at maturity. All the bonds have been paid, but not cancelled, and are held by the Commissioners of Finance under advice of the Law Department, in order to keep alive the third mortgage.

Before the close of the year 1901, the balance of stock, authorized to be issued under said ordinance, will be sold, and the net proceeds of the sale will be applied to the redemption of $1,000,000 Western Maryland Railroad Six Per Cent. Loan, due January 1, 1902.

By the refunding of these two loans, the Commissioners of Finance will be relieved of the payment of $112,500 annually as interest upon them, but the Mayor and City Council will be liable for the annual interest at the reduced rate in case of default on the part of the Western Maryland Railroad Company.

Sales of $3,500,000 Refunding Three-and-one-half Per Cent. 1940 Loan at 112.91 and $875,000 Western Maryland Railroad Three-and-one-half Per Cent. 1950 Refunding Loan at 113.175 were made on April 6 and February 26, 1900, respectively, by public advertisement inviting competitive bids.

The Commissioners of Finance took at par during the year $800,000 Refunding Three-and-one-half Per Cent. 1940 Loan, $456,500 Four Million Three-and-one-half Per Cent. 1945 Loan and $350,000 Conduit Three-and-one-half Per Cent. 1922 Loan.

Under a resolution of this Board adopted January 21, 1901, Mr. Clayton C. Hall was employed to audit the accounts of the Commissioners of Finance for 1900, and his report thereon will be found in the appendix to this report.

Respectfully submitted,

DAVID AMBACH, *President.*
THOMAS G. HAYES, *Mayor.*
JAS. H. SMITH, *Comptroller.*
GEO. N. NUMSEN, *Register.*
MILES WHITE, JR.
} *Commissioners of Finance.*

J. SEWELL THOMAS, *Deputy Register,*
Clerk to Commissioners of Finance.

APPENDIX.

Room 40, Maryland Life Building,
No. 10 South Street.

CLAYTON C. HALL,

Attorney at Law and Consulting Actuary.

Baltimore, February 11, 1901.

To the Commissioners of Finance of the City of Baltimore:

Gentlemen:

In compliance with your request I have examined the accounts of the financial transactions of your Board during the year 1900, and have found the same to be accurately kept and the results of the year's transactions and the present condition of the several sinking funds to be correctly stated in the report that has been prepared. The amount of cash on hand December 31, 1900, was verified by comparison with the balanced bank books, and the amount of the obligations of the City redeemed or retired within the year, consisting of city stock to the amount of $4,242,800, and guaranteed bonds of the Western Maryland R.R. Co. to the amount of $875,000 was verified by actual count of the cancelled certificates and retired bonds.

I also participated in the count of the securities held in the several sinking funds and found them to be as stated in the report.

No examination was made as to the value of the real estate and ground rents held as a part of the investment of the General Sinking Fund, but the amount of rents and ground rents received would indicate that the value has not been over-estimated. The titles to these various properties, it is assumed, have all been passed upon and approved by the proper officers of the Law Department.

The system of keeping your accounts is, in my judgment, such as to lead to the prompt detection of error, should any occur.

Very respectfully,

Clayton C. Hall,

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

Balance December 31, 1899		$63,825 06
To General Sinking Fund.		
From interest on stocks and investments.	$ 87,822 65	
From interest on deposits	12,673 34	
From rental of real estate	31,223 60	
From City Collector, by tax levy	128,500 77	
From seven-eighths rental of Hillen Station	14,000 00	
From six-sevenths rental of Western Maryland Railroad Terminal Depot	7,869 87	
From net proceeds of sale of $4,300,000 Refunding Three-and-one-half Per Cent. 1940 Loan	4,300,000 00	
From net proceeds of sale of $875,000 Western Maryland Railroad Three-and-one-half Per Cent. 1950 Loan	875,000 00	
From redemption of Western Maryland Railroad Third Mortgage Guaranteed Bonds	120,000 00	
From redemption of Jones' Falls Six Per Cent. 1900 Loan	11,000 00	
From redemption of Jones' Falls Five Per Cent. 1900 Loan	5,100 00	
From redemption of Jones' Falls 3.65 Per Cent. 1900 Loan	800 00	
From redemption of City Hall Six Per Cent. 1900 Loan	28,600 00	
From redemption of Funding Six Per Cent. 1900 Loan	3,500 00	
From Western Maryland Railroad Company, for account of interest due July 1, 1900, on Western Maryland Railroad Six Per Cent. 1902 Loan	17,500 00	
From Mayor and City Council, surplus for 1899	473,450 63	
		6,117,040 86
To Public Park Sinking Fund.		
From interest on stock		210 00
To Public Park Sinking Fund No. 2.		
From interest on Stock	$ 1,998 50	
From Park Board, being five per cent. of receipts of park tax	17,777 18	
		19,775 68
To W. M. R. R. 1925 Loan Sinking Fund.		
From interest on stock	$2,756 74	
From redemption of Western Maryland Railroad Third Mortgage Bond	500 00	
		3,256 74
Amount carried forward		$6,204,108 34

No. 1.

THE MAYOR AND CITY COUNCIL OF BALTIMORE. CR.

By General Sinking Fund.

For redemption of Water 5 % 1894 Loan	$ 2,700 00	
For redemption of W. M. R. R. 3d Mtg. Guaranteed Bonds.....	875,000 00	
For redemption of Jones'Falls 6 % 1900 Loan	799,400 00	
For redemption of " 5 " 1900 Loan	936,000 00	
For redemption of " 3.65 " 1900 Loan	468,200 00	
For redemption of " 3½ " 1900 Loan	160,000 00	
For redemption of " 3 " 1900 Loan	85,000 00	
For redemption of City Hall 6 " 1900 Loan	997,100 00	
For redemption of Funding 6 " 1900 Loan	794,400 00	
For eight months' interest on W. M. R. R. 3d Mtg. Guaranteed Bonds.....	35,000 00	
For one year's interest on W. M. R. R. 6 % 1902 Loan.....	60,000 00	
For 103,000 W. M. R. R. 3d Mtg. Guaranteed Bonds.....	103,000 00	
For 309,500 Four Million 3½ % 1945 Loan.	309,500 00	
For 200,000 Conduit 3½ " 1922 Loan.	200,000 00	
For 45,300 Harford Run 4 " 1904 Loan.	47,112 00	
For 16,900 W. M. R. R. 6 " 1902 Loan.	17,691 00	
For 3,800 City Hall 6 " 1902 Loan.	3,922 00	
For 63,000 W. M. R. R. 3¼ " 1927 Loan.	65,835 00	
For 5,600 Funding 5 " 1916 Loan.	6,980 40	
For purchase of ground rents under Ordinance 81, 1881.....	109,420 82	
For accrued rent on ground rents purchased.	1,692 67	
For stamps on deeds, recording same and advertising.....	554 23	
For rent of safe in Safe Deposit Co.'s vault	60 00	
For clerical assistance.....	100 00	
		$6,078,668 12

By Public Parks Sinking Fund.

For $1,300 W. M. R. R. 3¼ Per Cent. 1927 Loan.....		1,358 50

By Public Park Sinking Fund No. 2.

For $7,000 Four Million 3½ % 1945 Loan...	$7,000 00	
For 4,500 Refunding 3½ " 1940 Loan...	4,500 00	
For 8,000 W. M. R. R. 3¼ " 1927 Loan...	8,360 00	
		19,860 00

By W. M. R. R. 1925 Loan Sinking Fund.

For $2,000 Refunding 3½ % 1940 Loan...	$2,000 00	
For 2,000 W. M. R. R. 3¼ " 1927 Loan...	2,090 00	
		4,090 00
Amount carried forward.		$6,103,976 62

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

Amount forward		$6,204,108 34
To Western Maryland Railroad 1927 Loan Sinking Fund.		
From interest on stock	$5,119 00	
From redemption of Western Maryland Railroad Third Mortgage Bonds	4,500 00	
		9,619 00
To Western Maryland Railroad Terminal Company Sinking Fund.		
From interest on stock	$1,060 31	
From redemption of Western Maryland Railroad Third Mortgage Bonds	1,000 00	
From redemption of City Hall 6 % Loan	1,000 00	
From redemption of Funding 6 " Loan	1,000 00	
From redemption of Jones'Falls 6 " Loan	1,200 00	
From redemption of " 3.65 " Loan	900 00	
From one-seventh rental of Western Maryand Terminal Company Depot	1,311 60	
		7,471 91
To Hillen Station Sinking Fund.		
From interest on stock	$2,680 69	
From redemption of Western Maryland Railroad Third Mortgage Bonds	500 00	
From redemp'n of City Hall 6 % 1900 Loan	2,900 00	
From redemp'n of Jones'Falls 6 " 1900 Loan	2,800 00	
From redemp'n of Funding 6 " 1900 Loan	1,000 00	
From redemp'n of Jones'Falls 5 " 1900 Loan	8,000 00	
From redemp'n of " 3.65 " 1900 Loan	3,200 00	
From one-eighth rent of Hillen Station	2,000 00	
		23,080 69
To Public Improvement 1940 Loan Sinking Fund.		
From interest on stocks	$14,814 00	
From City Collector, by tax levy	62,510 76	
		77,324 76
To Internal Improvement 1928 Loan Sinking Fund.		
From interest on stock	$36,121 95	
From City Collector, by tax levy	93,766 21	
From redemp'n of City Hall 6 % 1900 Loan	12,600 00	
From redemp'n of Funding 6 " 1900 Loan	9,800 00	
From redemp'n of Jones'Falls 6 " 1900 Loan	20,700 00	
From redemp'n of " 5 " 1900 Loan	1,200 00	
From redemp'n of " 3.65 " 1900 Loan	7,500 00	
		181,688 16
Amount carried forward		$6,503,292 86

No. 1—Continued.

THE MAYOR AND CITY COUNCIL OF BALTIMORE. CR.

Amount forward		$6,103,976 62
By W. M. R. R. 1927 Loan Sinking Fund		
For $7,000 Refunding 3½ Per Cent. 1940 Loan	$7,000 00	
For $2,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	2,090 00	
		9,090 00
By Western Maryland Railroad Terminal Company Sinking Fund.		
For $6,000 Refunding 3½ Per Cent. 1940 Loan	$6,000 00	
For $1,500 W. M. R. R. 3¼ Per Cent. 1927 Loan	1,567 50	
		7,567 50
By Hillen Station Sinking Fund.		
For $20,000 Refunding 3½ Per Cent. 1940 Loan	$20,000 00	
For $3,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	3,135 00	
		23,135 00
By Public Improvement 1940 Loan Sinking Fund.		
For $30,000 Refunding 3½ Per Cent. 1940 Loan	$30,000 00	
For $47,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	49,115 00	
		79,115 00
By Internal Improvement 1928 Loan Sinking Fund.		
For $40,000 Refunding 3½ Per Cent. 1940 Loan	$ 40,000 00	
For $135,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	140,950 00	
		180,950 00
Amount forward		$6,403,834 12

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

Amount forward		$6,503,292 86
To Four Million 1945 Loan Sinking Fund.		
From interest on stock	$ 7,385 00	
From City Collector by tax levy	15,627 74	
		23,012 74
To Funding 1936 Loan Sinking Fund.		
From interest on stock	$ 5,449 50	
From City Collector by tax levy	31,158 28	
		36,607 78
To Water 1922 Loan Sinking Fund.		
From interest on stock	$ 7,058 00	
From City Collector by tax levy	15,627 73	
		22,685 73
To Water 1916 Loan Sinking Fund.		
From interest on stock	$ 34,612 00	
From City Collector by tax levy	62,510 74	
From Water Board, surplus for 1900	229,412 73	
		326,535 47
To Water 1926 Loan Sinking Fund.		
From interest on stock	$13,825 00	
From City Collector by tax levy	31,255 42	
From redemption of Funding Six Per Cent. 1900 Loan	17,200 00	
		62,280 42
To Enoch Pratt Free Library Fund.		
From interest on stock	$45,596 84	
From Mayor and City Council on account of deficiency in income	2,700 00	
From redemption of Funding Six Per Cent. 1900 Loan	16,900 00	
From redemption of City Hall Six Per Cent. 1900 Loan	35,700 00	
From redemption of Jones' Falls Six Per Cent. 1900 Loan	11,300 00	
From redemption Western Maryland Railroad Six Per Cent. Third Mortgage Bonds	10,000 00	
From redemption Jones' Falls Five Per Cent. 1900 Loan	81,200 00	
		203,396 84
To Horwitz Benevolent Fund.		
From interest on stock	$ 771 87	
From redemption of Funding Six Per Cent. 1900 Loan	1,800 00	
From redemption of City Hall Six Per Cent. 1900 Loan	1,300 00	
From redemption of Jones' Falls 1900 Loan	300 00	
		4,171 87
Amount forward		$7,181,983 71

No. 1.—Continued.

THE MAYOR AND CITY COUNCIL OF BALTIMORE. CR.

Amount forward		$6,403,834 12
By Four Million 1945 Loan Sinking Fund.		
For $15,000 Four-Million 3½ Per Cent. 1945 Loan	$15,000 00	
For $12,000 Refunding 3½ Per Cent. 1940 Loan	12,000 00	
For $10,000 W. M. R. R., 3¼ Per Cent. 1927 Loan	10,450 00	
		37,450 00
By Funding 1936 Loan Sinking Fund.		
For $10,000 Refunding 3½ Per Cent. 1940 Loan	$10,000 000	
For $10,000 Conduit 3½ PerCent. 1922 Loan	10,000 00	
For $17,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	17,765 00	
		37,765 00
By Water 1922 Loan Sinking Fund.		
For $3,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	$3,135 00	
For $5,000 Refunding 3½ Per Cent. 1940 Loan	5,000 00	
For $15,000 Conduit 3½ Per Cent. 1922 Loan	15,000 00	
		23,135 00
By Water 1916 Loan Sinking Fund.		
For $40,000 Refunding 3½ Per Cent. 1940 Loan	$40,000 00	
For $50,000 Conduit 3½ Per Cent. 1922 Loan	50,000 00	
For $8,500 W. M. R. R. 3¼ Per Cent. 1927 Loan	8,882 50	
		98,882 50
By Water 1926 Loan Sinking Fund.		
For $50,000 Conduit 3½ Per Cent. 1922 Loan	$50,000 00	
For $10,000 Refunding 3½ Per Cent. 1940 Loan	10,000 00	
For $2,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	2,090 00	
		62,090 00
By Enoch Pratt Free Library Fund.		
For annuity paid Enoch Pratt Free Library	$50,000 00	
For $10,000 Four Million 1945 3½ Per Cent. Loan	10,000 00	
For $145,100 Refunding 1940 3½ Per Cent. Loan	145,100 00	
		205,100 00
By Horwitz Benevolent Fund.		
For $3,400 Refunding 3½ Per Cent. 1940 Loan	$3,400 00	
For $700 W. M. R. R. 3¼ Per Cent. 1927 Loan	731 50	
		4,131 50
Amount forward		$6,872,388 12

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

Amount forward		$7,181,983 71
To Frederick Raine Fund.		
From interest on stock		14 00
To Conduit 1922 Loan Sinking Fund.		
From interest on stock	$ 1,575 00	
From City Collector, by tax levy	28,468 59	
		30,043 59
To W. M. R. R. 3½ Per Cent. 1950 Refunding Loan Sinking Fund.		
From interest on stock	$ 2,012 50	
From premium on sale of $875,000 W. M. R. R. 3½ Per Cent. 1950 Refunding Loan	115,281 25	
		117,293 75
To Refunding 1940 Loan Sinking Fund.		
From City Collector, by tax levy	$ 51,742 42	
From premium on sale of $3,500,000 refunding 3½ Per Cent. 1940 Loan	451,850 00	
		503,592 42
		$7,832,927 47

No. 1.—Concluded.

THE MAYOR AND CITY COUNCIL OF BALTIMORE. CR.

Amount forward		$6,872,388 12
By Frederick Raine Fund.		
For amount paid School Board	$7 00	
For amount paid Maryland Institute	7 00	
		14 00
By Conduit 1922 Loan Sinking Fund.		
For $5,000 Refunding 3½ Per Cent. 1940 Loan	$5,000 00	
For $25,000 Conduit 3½ Per Cent. 1922 Loan	25,000 00	
		30,000 00
By Western Maryland Railroad 1950 Loan Sinking Fund.		
For $115,000 Four Million 3½ Per Cent. 1945 Loan	$115,000 00	
For Certificates of Stock	575 00	
For Advertising for Proposals, Books, Recording Deeds, etc	376 39	
		115,951 39
Ey Refunding 1940 Loan Sinking Fund.		
For $460,000 Refunding 3½ Per Cent. 1940 Loan	$460,000 00	
For $6,000 W. M. R. R. 3¼ Per Cent. 1927 Loan	6,270 00	
For Certificates of Stock	475 00	
For Advertising for Proposals, Books, etc.	535 15	
For Accrued Interest on $3,500,000 Refunding 3½ Per Cent. 1940 Loan paid to Mayor and City Council	34,270 83	
		501,550 98
By Balance, December 31, 1900		313,022 98
		$7,832,927 47

STATEMENT No. 2.

Stocks Purchased for the Sinking Funds as Required by Section 13, Article 47, City Code.

Date.	Amount Purchased.	Description of Stock.	Sinking Fund.	Amount Paid.
1900.				
Jan. 2. ..	$32,500 00	W. M. R. R. 6 Per Cent. 3rd Mort Bonds	General	$32,500 00
Jan. 3....	50,000 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	50,000 00
Jan. 4....	2,000 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	2,000 00
Jan. 5....	5,000 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	5,000 00
Jan. 6....	1,500 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	1,500 00
Jan. 8....	8,000 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	8,000 00
Jan. 11....	1,000 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	1,000 00
Jan. 12....	1,000 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	1,000 00
Jan. 13....	1,000 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	1,000 00
Jan. 19....	125,000 00	Four Million 3½ Per Cent. 1945 Loan	General	125,000 00
Jan. 19....	125,000 00	Conduit 3½ Per Cent. 1922 Loan	General	125,000 00
Jan. 19....	500 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	500 00
Jan. 22....	75,000 00	Four Million 3½ Per Cent. 1945 Loan	General	75,000 00
Jan. 22....	75,000 00	Conduit 3½ Per Cent. 1922 Loan	General	75,000 00
Feb. 9....	500 00	W. M. R. R. 6 Per Cent. 3rd Mort. Bonds	General	500 00
Mar. 7....	115,000 00	Four Million 3½ Per Cent. 1945 Loan	W. M. R. R. 1950 Loan	115,000 00
Mar. 7....	109,500 00	Four Million 3½ Per Cent. 1945 Loan	General	109,500 00
Mar. 7....	10,000 00	Four Million 3½ Per Cent. 1945 Loan	Enoch Pratt Free Library	10,000 00
Mar. 7....	15,000 00	Four Million 3½ Per Cent. 1945 Loan	Four Million 1945 Loan	15,000 00
Mar. 7....	7,000 00	Four Million 3½ Per Cent. 1945 Loan	Public Park No. 2	7,000 00
July 2....	460,000 00	Refunding 3½ Per Cent. 1940 Loan	Refunding 1940 Loan	460,000 00
July 2....	20,000 00	Refunding 3½ Per Cent. 1940 Loan	Hillen Station	20,000 00
July 2....	6,000 00	Refunding 3½ Per Cent. 1940 Loan	W. M. R. R. Ter. Co	6,000 00
July 2....	2,000 00	Refunding 3½ Per Cent. 1940 Loan	W. M. R. R. 1925 Loan	2,000 00
July 2....	7,000 00	Refunding 3½ Per Cent. 1940 Loan	W. M. R. R. 1927 Loan	7,000 00
July 2....	40,000 00	Refunding 3½ Per Cent. 1940 Loan	Internal Imp't 1928 Loan	40,000 00

July 2....	30,000 00	Refunding 3½ Per Cent. 1940 Loan.....	Public Imp't 1940 Loan.....	30,000 00
July 2....	12,000 00	Refunding 3½ Per Cent. 1940 Loan.....	Four Million 1945 Loan.....	12,000 00
July 2....	40,000 00	Refunding 3½ Per Cent. 1940 Loan.....	Water 1916 Loan.....	40,000 00
July 2....	5,000 00	Refunding 3½ Per Cent. 1940 Loan.....	Water 1922 Loan.....	5,000 00
July 2....	10,000 00	Refunding 3½ Per Cent. 1940 Loan.....	Water 1926 Loan.....	10,000 00
July 2....	4,500 00	Refunding 3½ Per Cent. 1940 Loan.....	Public Park No. 2.....	4,500 00
July 2....	10,000 00	Refunding 3½ Per Cent. 1940 Loan.....	Funding 1936 Loan.....	10,000 00
July 2....	5,000 00	Refunding 3½ Per Cent. 1940 Loan.....	Conduit 1922 Loan.....	5,000 00
July 2....	145,100 00	Refunding 3½ Per Cent. 1940 Loan.....	Enoch Pratt Free Library.....	145,100 00
July 2....	3,400 00	Refunding 3½ Per Cent. 1940 Loan.....	Horwitz Benevolent Fund.....	3,400 00
July 7....	45,300 00	Harford Run 4 Per Cent. 1904 Loan.....	General.....	47,112 00
Oct. 11...	4,600 00	W. M. R. R. 6 Per Cent. 1902 Loan.....	General.....	4,830 00
Oct. 15...	2,700 00	City Hall 6 Per Cent. 1902 Loan.....	General.....	2,794 50
Oct. 18...	2,700 00	W. M. R. R. 6 Per Cent. 1902 Loan.....	General.....	2,835 00
Oct. 25...	400 00	W. M. R. R. 6 Per Cent. 1902 Loan.....	General.....	420 00
Nov. 8...	400 00	W. M. R. R. 6 Per Cent. 1902 Loan.....	General.....	420 00
Nov. 28...	25,000 00	Conduit 3½ Per Cent. 1922 Loan.....	Conduit 1922 Loan.....	25,000 00
Nov. 28...	50,000 00	Conduit 3½ Per Cent. 1922 Loan.....	Water 1916 Loan.....	50,000 00
Nov. 28...	50,000 00	Conduit 3½ Per Cent. 1922 Loan.....	Water 1926 Loan.....	50,000 00
Nov. 28...	10,000 00	Conduit 3½ Per Cent 1922 Loan.....	Funding 1936 Loan.....	10,000 00
Nov. 28...	15,000 00	Conduit 3½ Per Cent. 1922 Loan.....	Water 1922 Loan.....	15,000 00
Dec. 3...	6,000 00	W. M. R. R. 6 Per Cent. 1902 Loan.....	General.....	6,330 00
Dec. 5...	10,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan.....	Inter. Imp't 1928 Loan.....	10,325 00
Dec. 13...	300 00	W. M. R. R. 6 Per Cent. 1902 Loan.....	General.....	306 00
Dec. 19...	2,500 00	W. M. R. R. 6 Per Cent. 1902 Loan.....	General.....	2,550 00
Dec. 26...	1,100 00	City Hall 6 Per Cent. 1902 Loan.....	General.....	1,127 50
Dec. 31...	63,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan.....	General.....	65,835 00
Dec. 31...	1,300 00	W. M. R. R. 3¼ Per Cent. 1927 Loan.....	Public Park.....	1,358 50
Dec. 31...	8,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan.....	Public Park No. 2.....	8,360 00
Dec. 31...	2,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan.....	W. M. R. R. 1925 Loan.....	2,090 00
Dec. 31...	2,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan.....	W. M. R. R. 1927 Loan.....	2,090 00
Dec. 31...	1,500 00	W. M. R. R. 3¼ Per Cent. 1927 Loan.....	W. M. R. R. Ter. Co.....	1,567 50
Am't forward.	$1,863,300 00		*Amount forward*.....	$1,869,851 00

STATEMENT No. 2—Continued.

Date.	Amount Purchased.	Description of Stock.	Sinking Fund.	Amount Paid.
1900.				
Am't forward.	$1,863,300 00		*Amount forward*	$1,869,851 60
Dec. 31...	3,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Hillen Station	3,135 00
Dec. 31...	47,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Public Impt. 1940 Loan	49,115 00
Dec. 31...	125,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Inter. Impt. 1928 Loan	130,625 00
Dec. 31...	10,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Four Million 1945 Loan	10,450 00
Dec. 31...	17,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Funding 1936 Loan	17,765 00
Dec. 31...	3,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Water 1922 Loan	3,135 00
Dec. 21...	2,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Water 1926 Loan	2,090 00
Dec. 31...	8,500 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Water 1916 Loan	8,882 50
Dec. 31...	6,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Refunding 1940 Loan	6,270 00
Dec. 31...	700 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	Horwitz Benevolent Fund	731 50
Dec. 31...	5,600 00	Funding 5 Per Cent. 1916 Loan	General	6,980 40
	$2,091,100 00			$2,109,030 40

Sinking Fund.	Amount Purchased.	Description of Stock.	Amount Paid.
General	309,500 00	Four Million 3½ Per Cent. 1945 Loan	$309,500 00
General	200,000 00	Conduit 3½ Per Cent. 1922 Loan	200,000 00
General	103,000 00	W. M. R. R. 6 Per Cent. Third Mortgage Bonds	103,000 00
General	45,300 00	Harford Run 4 Per Cent. 1904 Loan	47,112 00
General	16,900 00	W. M. R. R. 6 Per Cent. 1902 Loan	17,691 00
General	3,800 00	City Hall 6 Per Cent. 1902 Loan	3,922 00
General	63,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	65,835 00
General	5,600 00	Funding 5 Per Cent. 1916 Loan	6,980 40
W. M. R. R. 1950 Loan	115,000 00	Four Million 3½ Per Cent. 1945 Loan	115,000 00
Enoch Pratt Free Library	10,000 00	Four Million 3½ Per Cent. 1945 Loan	10,000 00
Enoch Pratt Free Library	145,100 00	Refunding 3½ Per Cent. 1940 Loan	145,100 00
Four Million 1945 Loan	15,000 00	Four Million 3½ Per Cent. 1945 Loan	15,000 00
Four Million 1945 Loan	12,000 00	Refunding 3½ Per Cent. 1940 Loan	12,000 00
Four Million 1945 Loan	10,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	10,450 00
Public Park No. 2	7,000 00	Four Million 3½ Per Cent. 1945 Loan	7,000 00
Public Park No. 2	4,500 00	Refunding 3½ Per Cent. 1940 Loan	4,500 00
Public Park No. 2	8,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	8,360 00
Refunding 1940 Loan	460,000 00	Refunding 3½ Per Cent. 1940 Loan	460,000 00
Refunding 1940 Loan	6,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	6,270 00
Hillen Station	20,000 00	Refunding 3½ Per Cent. 1940 Loan	20,000 00
Hillen Station	3,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	3,135 00
W. M. R. R. Ter. Co	6,000 00	Refunding 3½ Per Cent. 1940 Loan	6,000 00
W. M. R. R. Ter. Co	1,500 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	1,567 50
W. M. R. R. 1925 Loan	2,000 00	Refunding 3½ Per Cent. 1940 Loan	2,000 00
W. M. R. R. 1925 Loan	2,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	2,090 00
W. M. R. R. 1927 Loan	7,000 00	Refunding 3½ Per Cent. 1940 Loan	7,000 00
Amount forward	$1,581,200 00	*Amount forward*	$1,589,512 90

RECAPITULATION—Continued.

Sinking Fund.	Amount Purchased.	Description of Stock.	Amount Paid.
Amount forward	$1,581,200 00	*Amount forward*	$1,589,512 90
W. M. R. R. 1927 Loan	2,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	2,090 00
Int. Imp't 1928 Loan	40,000 00	Refunding 3½ Per Cent. 1940 Loan	40,000 00
Int. Imp't 1928 Loan	135,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	140,950 00
Public Imp't 1940 Loan	30,000 00	Refunding 3½ Per Cent. 1940 Loan	30,000 00
Public Imp't 1940 Loan	47,000 00	W. M R. R. 3¼ Per Cent. 1927 Loan	49,115 00
Water 1916 Loan	40,000 00	Refunding 3½ Per Cent. 1940 Loan	40,000 00
Water 1916 Loan	50,000 00	Conduit 3½ Per Cent. 1922 Loan	50,000 00
Water 1916 Loan	8,500 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	8,882 50
Water 1922 Loan	3,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	3,135 00
Water 1922 Loan	5,000 00	Refunding 3½ Per Cent. 1940 Loan	5,000 00
Water 1922 Loan	15,000 00	Conduit 3½ Per Cent. 1922 Loan	15,000 00
Water 1926 Loan	50,000 00	Conduit 3½ Per Cent. 1922 Loan	50,000 00
Water 1926 Loan	10,000 00	Refunding 3½ Per Cent. 1940 Loan	10,000 00
Water 1926 Loan	2,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	2,090 00
Funding 1936 Loan	10,000 00	Refunding 3½ Per Cent. 1940 Loan	10,000 00
Funding 1936 Loan	10,000 00	Conduit 3½ Per Cent. 1922 Loan	10,000 00
Funding 1936 Loan	17,000 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	17,765 00
Conduit 1922 Loan	5,000 00	Refunding 3½ Per Cent. 1940 Loan	5,000 00
Conduit 1922 Loan	25,000 00	Conduit 3½ Per Cent. 1922 Loan	25,000 00
Public Park	1,300 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	1,358 50
Horwitz Benevolent Fund.	3,400 00	Refunding 3½ Per Cent. 1940 Loan	3,400 00
Horwitz Benevolent Fund.	700 00	W. M. R. R. 3¼ Per Cent. 1927 Loan	731 50
	$2,091,100 00		$2,109,030 40

STATEMENT NO. 3.

CONDITION OF THE SINKING FUNDS DECEMBER, 31, 1900.

General Sinking Fund.

(Set apart for the redemption of all loans for which no special sinking funds are provided.)

Western Maryland Railroad 6 Per Cent. 1902 Loan	$23,300 00	
City Hall 6 Per Cent. 1902 Loan	10,300 00	
		$33,600 00
Funding 5 Per Cent. 1916 Loan		7,100 00
Harford Run Improvement 4 Per Cent. 1904 Loan	$47,000 00	
Harford Run Improvement 4 Per Cent. 1920 Loan	300 00	
Patterson Park 4 Per Cent. 1920 Loan	5,000 00	
		52,300 00
Consolidated 3½ Per Cent. 1930 Loan	$8,162 37	
Public Improvement 3½ Per Cent. 1940 Loan	834,300 00	
Four Million 3½ Per Cent. 1945 Loan	608,600 00	
Conduit 3½ Per Cent. 1922 Loan	200,000 00	
		1,651,062 37
Western Maryland Railroad 3¼ Per Cent. 1927 Loan		$63,000 00
Western Maryland Railroad 6 Per Cent. First Mortgage Bonds, due January 1, 1890		43,500 00
Western Maryland Railroad 6 Per Cent. Second Preferred Mortgage Bonds, due January 1, 1895		178,500 00
Western Maryland Railroad 6 Per Cent. Funding Certificates		226,530 00
Western Maryland Railroad Unendorsed Coupons from First Mortgage Bonds		71,742 00
Hillen Station Property, Ordinance No. 97, 1875	$200,000 00	
Less amount in Sinking Fund for repayment of cost thereof	81,322 70	
		118,677 30
Western Maryland Railroad Terminal Company Depot Property, Ordinance No. 92, 1882	$131,163 81	
Less amount in Sinking Fund for repayment of cost thereof	31,961 55	
		99,202 26
Real Estate from which an annual income of $10,225.11 is derived		170,418 50
Ground Rents purchased under Ordinance No. 81, of 1881, cost		457,406 09
Cash		64,051 24
		$3,237,089 76

Public Park Sinking Fund, Ordinance No. 84, 1891.

Public Improvement 3½ Per Cent. 1940 Loan	$6,000 00	
Western Maryland Railroad 3¼ Per Cent. 1927 Loan	1,300 00	
Cash	186 28	
		$7,486 28

Public Park Sinking Fund No. 2, Ordinance No. 137, 1894.

Public Improvement 3½ Per Cent. 1940 Loan	18,900 00	
Four Million 3½ Per Cent. 1945 Loan	41,700 00	
Refunding 3½ Per Cent. 1940 Loan	4,500 00	
		$65,100 00
Western Maryland Railroad 3¼ Per Cent. 1927 Loan		8,000 00
Cash		471 54
		$73,571 54

Western Maryland Railroad 1925 Loan Sinking Fund.

(For Redemption of $684,000 of 4 Per Cent. Stock, due 1925.)

Western Maryland Railroad 4 Per Cent. 1925 Loan		$31,100 00
Consolidated 3½ Per Cent. 1930 Loan	$11,900 00	
Public Improvement 3½ Per Cent. 1940 Loan	11,800 00	
Four Million 3½ per Cent. 1945 Loan	4,500 00	
Refunding 3½ Per Cent. 1940 Loan	2,000 00	
		30,200 00
Western Maryland Railroad 3¼ Per Cent. 1927 Loan		17,100 00
Cash		10 21
		$78,410 21

Western Maryland Railroad 1927 Loan Sinking Fund.

(For redemption of $1,704,000 of 3¼ Per Cent. Stock due 1927).

Four Million 3½ Per Cent. 1945 Loan	$9,500 00	
Consolidated 3½ Per Cent. 1930 Loan	1,700 00	
Public Improvement 3½ Per Cent. 1940 Loan	13,700 00	
Refunding 3½ Per Cent. 1940 Loan	7,000 00	
		$31,900 00
Western Maryland Railroad 3¼ Per Cent. 1927 Loan		123,000 00
Cash		713 62
		$155,613 62

Western Maryland Railroad Terminal Co. Sinking Fund.

(For repayment of cost ($131,163.81) of Western Maryland Railroad Terminal Depot Property).

City Hall 6 Per Cent 1902 Loan	$100 00	
Western Maryland Railroad 6 Per Cent. 1902 Loan	1,100 00	
		$1,200 00
Consolidated 3½ Per Cent. 1930 Loan	3,300 00	
Public Improvement 3½ Per Cent. 1940 Loan	14,700 00	
Four Million 3½ Per Cent. 1945 Loan	4,700 00	
Refunding 3½ Per Cent. 1940 Loan	6,000 00	
		28,700 00
Western Maryland Railroad 3¼ Per Cent. 1927 Loan		1,500 00
Cash		561 55
		$31,961 55

Hillen Station Sinking Fund.

(For Repayment of Cost ($200,000) of Hillen Station Property.)

City Hall 6 Per Cent. 1902 Loan	$300 00	
Western Maryland Railroad 6 Per Cent. 1902 Loan	5,700 00	
		$6,000 00
Funding 5 Per Cent. 1916 Loan		2,000 00
Paving 4 Per Cent. 1920 Loan		3,000 00
Consolidated 3½ Per Cent. 1930 Loan	$4,700 00	
Public Improvement 3½ Per Cent. 1940 Loan	30,300 00	
Four Million 3½ Per Cent. 1945 Loan	11,400 00	
Refunding 3½ Per Cent. 1940 Loan	20,000 00	
		66,400 00
Western Maryland Railroad 3¼ Per Cent. 1927 Loan		3,000 00
Cash		922 70
		$81,322 70

Public Improvement 1940 Loan Sinking Fund.

(For Redemption of $6,000,000 of 3½ Per Cent. Stock, Due 1940).

Public Improvement 3½ Per Cent. 1940 Loan	$292,900 00	
Four Million 3½ Per Cent. 1945 Loan	122,000 00	
Refunding 3½ Per Cent. 1940 Loan	30,000 00	
		$444,900 00
W. M. R. R., 3¼ Per Cent. 1927 Loan		56,000 00
Cash		1,052 62
		$501,952 62

Internal Improvement 1928 Loan Sinking Fund.

(For Redemption of $4,850,000 of 3½ Per Cent. Stock, Due 1928).

City Hall 6 Per Cent. 1902 Loan	$ 5,400 00	
W. M. R. R., 6 Per Cent. 1902 Loan	11,700 00	
		$17,100 00
Funding 5 Per Cent. 1916 Loan		8,900 00
Harford Run 4 Per Cent. 1920 Loan	$ 7,700 00	
W. M. R. R. 4 Per Cent. 1925 Loan	10,300 00	
		18,000 00
Internal Improvement 3½ Per Cent. 1928 Loan	$186,100 00	
Consolidated 3½ Per Cent. 1930 Loan	8,000 00	
Public Improvement 3½ Per Cent. 1940 Loan	369,100 00	
Four Million 3½ Per Cent. 1945 Loan	291,500 00	
Refunding 3½ Per Cent. 1940 Loan	40,000 00	
		894,700 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		211,000 00
Cash		3,670 02
		$1,153,370 02

Four Million 1945 Loan Sinking Fund.

(For Redemption of $3,792,500 of 3½ Per Cent. Stock, Due 1945):

Public Improvement 3½ Per Cent. 1940 Loan	$ 95,200 00	
Four Million 3½ Per Cent. 1945 Loan	123,300 00	
Refunding 3½ Per Cent. 1940 Loan	12,000 00	
		$230,500 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		10,000 00
Cash		1,096 54
		$241,596 54

Funding 1936 Loan Sinking Fund.

(For Redemption of $1,453,300 of 3½ Per Cent. Stock, Due 1936).

Public Improvement 3½ Per Cent. 1940 Loan	$ 13,300 00	
Four Million 3½ Per Cent. 1945 Loan	142,400 00	
Refunding 3½ Per Cent. 1940 Loan	10,000 00	
Conduit 3½ Per Cent. 1922 Loan	10,000 00	
		$175,700 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		17,000 00
Cash		932 44
		$193,632 44

Water 1922 Loan Sinking Fund.

(For Redemption of $500,000 of 4 Per Cent. Stock, Due 1922).

Water 5 Per Cent. 1916 Loan		$ 3,400 00
Public Improvement 3½ Per Cent. 1940 Loan	$155,700 00	
Four Million 3½ Per Cent. 1945 Loan	41,100 00	
Conduit 3½ Per Cent. 1922 Loan	15,000 00	
Refunding 3½ Per Cent. 1940 Loan	5,000 00	
		$216,800 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		3,000 00
Cash		1,220 58
		$224,420 58

Water 1916 Loan Sinking Fund.

(For Redemption of $5,000,000 of 5 Per Cent. Stock, Due 1916).

Water 5 Per Cent. 1916 Loan	$323,100 00	
Funding 5 Per Cent. 1916 Loan	5,700 00	
		$328,800 00
Public Improvement 3½ Per Cent. 1940 Loan	$84,200 00	
Four Million 3½ Per Cent. 1945 Loan	402,000 00	
Conduit 3½ Per Cent. 1922 Loan	83,000 00	
Refunding 3½ Per Cent. 1940 Loan	40,000 00	
		609,200 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		8,500 00
Cash		231,780 75
		$1.178,280 75

Water 1926 Loan Sinking Fund.

(For Redemption of $1,000,000 of 4 Per Cent. Stock, Due 1926).

Water 5 Per Cent. 1916 Loan		$59,900 00
Water 4 Per Cent. 1926 Loan		4,200 00
Consolidated 3½ Per Cent. 1930 Loan	$ 31,600 00	
Public Improvement 3½ Per Cent. 1940 Loan	147,600 00	
Four Million 3½ Per Cent. 1945 Loan	59,700 00	
Conduit 3½ Per Cent. 1922 Loan	73,000 00	
Refunding 3½ Per Cent. 1940 Loan	10,000 00	
		321,900 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		24,200 00
Cash		1,525 39
		$411,725 39

Conduit 1922 Loan Sinking Fund.

(For Redemption of $700,000 of 3½ Per Cent. Stock, Due 1922).

Four Million 3½ Per Cent. 1945 Loan	$ 1,000 00	
Conduit 3½ Per Cent. 1922 Loan	69,000 00	
Refunding 3½ Per Cent. 1940 Loan	5,000 00	$75,000 00
Cash		1,090 37
		$76,090 37

W. M. R. R. 1950 Refunding Loan Sinking Fund.

(For Redemption of $875,000 of 3½ Per Cent. Stock, Due 1950).

Four Million 3½ Per Cent. 1945 Loan	$115,000 00
Cash	1,342 36
	$116,342 36

Refunding 1940 Loan Sinking Fund.

(For Redemption of $4,300,000 of 3½ Per Cent. Stock, Due 1940).

Refunding 3½ Per Cent. 1940 Loan	$460,000 00
W. M. R. R. 3¼ Per Cent 1927 Loan	6,000 00
Cash	2,041 44
	$468,041,44

RECAPITULATION.

Face Value of Sinking Funds.

General Sinking Fund	$3,237,089 76
Public Park Sinking Fund	7,486 28
Public Park No. 2 Sinking Fund	73,571 54
Western Maryland Railroad 1925 Loan Sinking Fund	78,410 21
Western Maryland Railroad 1927 Loan Sinking Fund	155,613 62
Western Maryland Railroad Terminal Co. Sinking Fund	31,961 55
Hillen Station	81,322 70
Public Improvement 1940 Loan Sinking Fund	501,952 62
Internal Improvement 1928 Loan Sinking Fund	1,153,370 02
Four Million 1945 Loan Sinking Fund	241,596 54
Funding 1936 Loan Sinking Fund	193,632 44
Water 1922 Loan Sinking Fund	224,420 58
Water 1916 Loan Sinking Fund	1,178,280 75
Water 1926 Loan Sinking Fund	411,725 39
Conduit 1922 Loan Sinking Fund	76,090 37
Western Maryland Railroad Refunding 1950 Loan Sinking Fund	116,342 36
Refunding 1940 Loan Sinking Fund	468,041 44
	$8,230,908 17

STATEMENT No. 4.

ENOCH PRATT FREE LIBRARY FUND, HELD IN TRUST BY THE COMMISSIONERS OF FINANCE UNDER ORDINANCE No. 64 OF 1883.

City Hall 6 Per Cent. 1902 Loan	$ 6,500 00	
W. M. R. R. 6 Per Cent. 1902 Loan	21,300 00	
		$27,800 00
Water 5 Per Cent. 1916 Loan	$54,300 00	
Funding 5 Per Cent. 1916 Loan	2,500 00	
		56,800 00
Paving 4 Per Cent. 1920 Loan	$62,300 00	
Patterson Park 4 Per Cent. 1920 Loan	195,000 00	
Water 4 Per Cent. 1922 Loan	500,000 00	
W. M. R. R. 4 Per Cent. 1925 Loan	2,100 00	
Harford Run 4 Per Cent. 1920 Loan	900 00	
Water 4 Per Cent. 1926 Loan	1,000 00	
		761,300 00
Consolidated 3½ Per Cent. 1930 Loan	$113,200 00	
Internal Imp't 3½ Per Cent. 1928 Loan	13,200 00	
Public Imp't 3½ Per Cent. 1940 Loan	42,700 00	
Four Million 3½ Per Cent. 1945 Loan	10,000 00	
Refunding 3½ Per Cent. 1940 Loan	145,100 00	
		324,200 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		4,000 00
		$1,174,100 00

STATEMENT No. 5.

HORWITZ BENEVOLENT FUND, HELD IN TRUST BY THE COMMISSIONERS OF FINANCE UNDER ORDINANCE No. 7 OF 1888.

W. M. R. R. 6 Per Cent. 1902 Loan		$5,300 00
Water 5 Per Cent. 1916 Loan		400 00
W. M. R. R. 4 Per Cent. 1925 Loan		300 00
Public Imp't 3½ Per Cent. 1940 Loan	$3,000 00	
Four Million 3½ Per Cent. 1945 Loan	1,600 00	
Refunding 3½ Per Cent. 1940 Loan	3,400 00	
		8,000 00
W. M. R. R. 3¼ Per Cent. 1927 Loan		900 00
Cash		53 04
		$14,953 04

STATEMENT No. 6.

FREDERICK RAINE FUND, HELD BY THE COMMISSIONERS OF FINANCE IN TRUST, UNDER ORDINANCE No. 51 OF 1897.

Public Improvement 3½ Per Cent. 1940 Loan	$400 00

STATEMENT No. 7.

A SCHEDULE OF REAL ESTATE AND GROUND RENTS UPON THE BOOKS OF THE COMMISSIONERS OF FINANCE.

Lessees.	Location of Lots.	Annual. Rental.
William E. Banks	Nos. 9, 10, 11 and 12 President st.	$ 452 25
Merchants and Miners Transportation Co.	Nos. 24, 25, 26, 27, 28 and 29 s. s. Block street	910 88
C. S. Maltby Co	Nos. 5, 6, 7 and 8 n. s. Block st.	293 60
Sisters of Mercy	Calvert-street Spring lot	1,000 00
Baltimore and Philadelphia Steamboat Co.	200 feet Pratt-street wharf, near Light street	3,600 00
Platt & Co	Old fish-house property	1,457 00
E. B. Hunting & Co	No. 5, 6, 7 and 8 President st.	502 50
Catharine Hickman	Fayette and Arch streets	52 00
Boys' Home Society	Pleasant and Calvert streets	50 00
James Clark Co	Old City Yard property	497 25
Baltimore Dredging Co.	Old City Yard property	480 00
Sarah A. Vogt	Battery avenue	157 50
John G. Huck	Charles and Weyler streets	75 70
Sophia M. Kelly	Nos. 5, 7 and 9 Weyler street	150 00
Aaron Hess	No. 11 Weyler street	33 60
John F. Weyler	No 13 Weyler street	19 20
Joseph Felser	No. 15 Weyler street	26 32
Samuel Weil	No. 17 Weyler street	26 32
Ida Young	Nos. 19 and 21 Weyler street	52 64
Charles H. Oehm	No. 23 Weyler street	26 32
H. Klasmeier	No. 25 Weyler street	25 48
Rudolph Preis	No. 27 Weyler street	26 32
Mary A. Steen	Nos. 31 and 33 Weyler street	52 64
Bernhard Shereswesky	No. 35 Weyler street	19 20
George Wimmer	No. 37 Weyler street	20 32
Simon Abeles & Co.	Nos. 39 and 41 Weyler street	54 49
J. A. J. Goetze	No. 43 Weyler street	29 60
August Pfeil	No. 45 Weyler street	29 60
Annie A. Derwart, Trustee	No. 49 Weyler street	26 32
August Pfeil	Light and Weyler streets	78 06
(Capitalized at 6 per cent., $170,418 50).		$10,225 11

Amount brought forward				$10,225 11

PURCHASED BY AUTHORITY OF ORDINANCE No. 81, 1881.

Boys' Latin School, Park ave., near Preston st			$549 00	
Mayor and City Council, Hollins and Monroe sts			750 00	
"	"	"	Howard and Little Montgomery streets	120 00
"	"	"	Penna.ave.and Robert st.	86 00
"	"	"	Frederick and Fairview avenues	360 00
"	"	"	Waesche near Fremont st	480 00
"	"	"	Castle street	209 25
"	"	"	Hanover and Lee sts	210 00
"	"	"	Sharp and West sts	570 00
"	"	"	Argyle ave. nr.Lanvale st	120 00
"	"	"	Hull and Clement sts	350 00
"	"	"	Linden ave. and Wilson	840 00
"	"	"	Charles and Ostend sts	372 50
"	"	"	Ann and Chase sts	501 75
"	"	"	Howard, opp. Centre st.	1,000 00
"	"	"	Preston and Eden sts	80 00
"	"	"	Broadway and Bank sts.	200 00
"	"	"	Mosher and Gilmor sts	757 00
"	"	"	Northeast Market	1,200 00
"	"	"	Collington Square	960 00
"	"	"	Perkins Spring Square	2,052 00
"	"	"	Riverside Park	3,770 62
"	"	"	Holliday and Fayette sts.	56 00
"	"	"	Lexington and Paca sts.	228 00
"	"	"	Bond and Chew streets	130 00
"	"	"	Carey st. and Columbia avenue	385 00
"	"	"	Chappell st., nr. Carey st.	630 00
"	"	"	Cross-Street Market	974 00
"	"	"	Linden av. and Konig st.	1,155 00
"	"	"	Baltimore nr. Aisquith st.	300 00
"	"	"	Lombard st., nr. High st.	150 00
"	"	"	Rogers ave. and Low st.	540 00
"	"	"	East side Woodberry la.	22 50
"	"	"	Ann and Aliceanna sts	22 50
"	"	"	York Road, Waverly	75 00
"	"	"	Brunswick st., bet. Frederick and Wilkens aves.	61 50
"	"	"	Harlem ave. and Monroe street	480 00
"	"	"	Eastern avenue and Streeper street	1,001 00
"	"	"	Stiles, near Gough st	50 00
"	"	"	Lehman and Millington avenues	240 00
"	"	"	Biddle st., nr. Penna av.	1,500 00
"	"	"	Patterson-Park ave. and McElderry street	530 00
"	"	"	Francis st.nr.Fulton ave.	450 00
"	"	"	Chester and Chew sts	829 75
"	"	"	Penn.ave.,nr.Dolphin st.	1,147 50
				$26,495 87
(Purchased at a cost of $457,406.09.)				$36,720 98

STATEMENT NO 8.

CASH BALANCE SHEET OF SINKING FUNDS LEDGER, DECEMBER 31, 1900.

	Dr.	Cr.
General Sinking Fund		$64,051 24
Public Park Sinking Fund		186 28
Public Park Sinking Fund No. 2		471 54
Redemption of Five Million 1890 Loan		2,003 45
Western Maryland Railroad 1925 Loan Sinking Fund		10 21
Western Maryland Railroad 1927 Loan Sinking Funds		713 62
Western Maryland Railroad Terminal Company Sinking Fund		561 55
Hillen Station Sinking Fund		922 70
Public Improvement 1940 Loan Sinking Fund		1,052 62
Internal Improvement 1928 Loan Sinking Fund		3,670 02
Four Million 1945 Loan Sinking Fund		1,096 54
Funding 1936 Loan Sinking Fund		932 44
Water 1922 Loan Sinking Fund		1,220 58
Water 1926 Loan Sinking Fund		1,525 39
Water 1916 Loan Sinking Fund		231,780 75
Enoch Pratt Free Library Loan Sinking Fund	$1,703 16	
Horwitz Benevolent Fund		53 04
Conduit 1922 Loan Sinking Fund		1,090 37
Western Maryland Railroad 1950 Loan Sinking Fund		1,342 36
Refundlng 1940 Loan Sinking Fund		2,041 44
Balance	313,022 98	
	$314,726 14	$314,726 14

STATEMENT No. 9.

FUNDED DEBT.

Name of Loan.	Rate.	When Redeemable.	Amount.
W. M. R. R.	6 per ct	January 1, 1902	$1,000,000 00
City Hall	6 "	March 7, 1902	500,000 00
Harford Run	4 "	November 3, 1904	350,000 00
Water	5 "	July 1, 1916	5,000,000 00
Funding	5 "	July 1, 1916	1,000,000 00
McDonogh Ext'n.	5 "	September 1, 1916	280,000 00
Harford Run	4 "	January 1, 1920	250,000 00
Patterson P'k Ext	4 "	October 1, 1920	200 000 00
Paving	4 "	November 1, 1920	500,000 00
Conduit	3½ "	January 1, 1922	700,000 00
Water	4 "	November 1, 1922	500,000 00
W. M. R. R.	4 "	July 1, 1925	684,000 00
Water	4 "	November 1, 1926	1,000,000 00
W. M. R. R.	3¼ "	January 1, 1927	1,704,000 00
Internal Improv't.	3½ "	July 1, 1928	4.850,000 00
Consolidated	3½ "	July 1, 1930	5,000,000 00
Funding	3½ "	July 1, 1936	1,453,300 00
Public Improv't.	3½ "	January 1, 1940	6,000,000 00
Refunding.	3½ "	January 1, 1940	4,300,000 00
Four Million	3½ "	March 1, 1945	3,792,500 00
W. M. R. R. R'fd'g	3½ "	March 1, 1950	875,000 00
Stock due in 1860.	6 "	Unredeemed, no int. allowed	482 00
Water Stock due in 1875	6 "	Unredeemed, no int. allowed	270 00
Consolid't'd Stock due in 1890	6 "	Unredeemed, no int. allowed	1,727 50
Five Million Stock due in 1890	6 "	Unredeemed, no int. allowed	2,003 45
Water Stock due in 1894	5 "	Unredeemed, no int. allowed	700 00
Jones' Falls Stock due in 1900	6 "	Unredeemed, no int. allowed	600 00
Jones' Falls Stock due in 1900	5 "	Unredeemed, no int. allowed	21,000 00
Jones' Falls Stock due in 1900	$3\frac{66}{100}$ "	Unredeemed, no int. allowed	14,800 00
Jones' Falls Stock due in 1900	3 "	Unredeemed, no int. allowed	15,000 00
City Hall Stock due in 1900	6 "	Unredeemed, no int. allowed	2,900 00
Funding Stock due in 1900	6 "	Unredeemed, no int. allowed	5,600 00
		Total funded debt	$40,003,882 95

STATEMENT No. 10.

Indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimoe, December 31, 1900.

First Mortgage Bonds due January 1, 1890, held by Commissioners of Finance	$43,500 00	
Interest thereon from July 1, 1898	6,525 00	
		$50,025 00
Second Preferred Mortgage Bonds due January 1, 1895, held by Commissioners of Finance	$178,500 00	
Interest thereon from July 1, 1898	26,775 00	
		205,275 00
Accrued interest on Second Mortgage Bonds, redeemed January 1, 1887		333,000 00
Accrued interest on Third Mortgage Guaranteed Bonds, redeemed March 1, 1900		1,531,250 00
Third Mortgage, to secure loan of City Stock due 1950		875,000 00
Fourth Mortgage, to secure loan of City Stock due 1902	$1,000,000 00	
Interest thereon to July 1, 1900	1,662,500 00	
		2,662,500 00
Fifth Mortgage, to secure loan of City Stock due 1927	$1,704,000 00	
Interest thereon from July 1, 1898	138,450 00	
		1,842,450 00
Sixth Mortgage, to secure loan of City Stock due 1925	$684,000 00	
Interest thereon from July 1, 1898	68,400 00	
		752,400 00
Funding Certificates, being amount of matured coupons from First Mortgage and Second Preferred Mortgage Bonds, funded under Ordinance No. 22, 1879, held by Commissioners of Finance	$226,530 00	
Interest thereon from January 1, 1898	40,775 40	
		267,305 40
Coupons from First Mortgage Unendorsed Bonds, purchased by Commissioners of Finance	$71,742 00	
Interest thereon to December 31, 1891	69,511 69	
		141,253 69
		$8,660,459 09
Less:		
Face value of Western Maryland Railroad 1925 Loan Sinking Fund	$78,410 21	
Face value of Western Maryland Railroad 1927 Loan Sinking Fund	155,613 62	
Face value of Western Maryland Railroad 1950 Loan Sinking Fund	116,342 36	
		$350,366 19
		$8,310,092 90

ANNUAL REPORT

— OF THE —

Collector of Water Rents & Licenses

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31, 1900

BALTIMORE:
WM. J. C. DULANY CO., PUBLIC PRINTERS.

1901.

REPORT

DEPARTMENT OF FINANCE,

SUB-DEPARTMENT, COLLECTOR OF WATER RENTS & LICENSES

BALTIMORE, January 1, 1901.

To the Honorable the Mayor and Members of the City Council:

GENTLEMEN—In compliance with the requirements of the New Charter of Baltimore City, I have the honor of submitting a report of the work of this Department for the year ending December 31, 1900.

On March 1, 1900, I entered upon the duties of Collector of Water Rents and Licenses, an office created by the New Charter, into which were merged the duties formerly performed by the Water Registrar and the Collection of General Licenses.

The number of water takers during the year 1900 was 97,312, an increase of 1,563 over that of 1899. The collections made of water rents, plumbing bills, etc., including the months of January and February, just prior to my incumbency amounted to $944,331.00, and exceeded those of 1899 by $50,239.86.

From these collections $1,807.92 were returned by errors caused by mistakes in statements of property owners and allowances for vacancies.

Every effort is being made to collect all outstanding bills due the city for the use of water.

The collections for general licenses were made from May 1 to December 31, 1900, in order to make the ending of the license year agree with the fiscal year as prescribed by the New Charter.

The total receipts for licenses for the eight months of the year 1900, amounted to $54,433.85.

The accompanying tabulated statements set forth in detail the result of the work done.

A.—Collection of Water Rents.

B.—Expenditures.

C.—Monthly Receipts of Water Rents.

D.—Abatements.

E.—New Supplies and Ferrules Returned.

F.—Balances Remaining on Ledgers December 31, 1900.

G.—Revenue Shown by Ledgers January 1, 1901.

H.—Receipts from Licenses.

All of which is respectfully submitted.

CARLTON SHAFER,

Collector of Water Rents and Licenses.

STATEMENT A.

Collections Made for Water Department During the Year 1900.

	Dr.	Cr.
To Water Rents for 1900	$454,959 63	
Less discount	16,472 94	
	$438,486 69	
To Water Rents for 1899	$206,108 71	
" " 1898	9,523 16	
" " 1897	2,980 25	
" Meter Rents	226,559 33	
" interest on back Water Rents	6,582 00	
" plumbing bills	32,018 52	
" meter plumbing	16,950 69	
" vacancies	505 00	
" turn-offs	3,240 00	
" Water Engineer	1,376 65	
By Deposits with City Register—		
January		$125,539 13
February		214,207 72
March		79,660 60
April		101,671 90
May		40,702 91
June		56,795 89
July		131,268 58
August		42,930 56
September		17,939 45
October		72,543 32
November		17,615 55
December		43,455 39
	$944,331 00	$944,331 00

STATEMENT B.

Expenditures During the Year 1900.

Appropriation made by Mayor and City Council—		
For expenses, including $380,000 for interest	$382,320 00	
For salaries	22,800 00	
		$405,120 00
Amount expended for expenses	$381,142 17	
" " salaries	22,559 72	
		403,701 89
Amount unexpended and included in surplus turned over to Finance Commissioners by Water Engineer		1,418 11

STATEMENT C.

RECEIPTS OF THE COLLECTOR OF WATER RENTS AND LICENSES FROM WATER RENTS FOR THE YEAR 1900.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Water Rents for 1900	$40,399 03	$185,888 79	$55,749 54	$29,946 54	$17,125 43	$18,624 14	$16,966 30	$10,974 77	$7,484 42	$10,292 80	$9,607 64	$35,427 29	$438,486 69
" " 1899	26,760 96	19,497 89	17,734 42	17,063 69	19,004 85	28,545 81	48 191 96	21,223 20	3,844 77	2,567 60	879 30	794 26	206,108 71
" " 1898	1,123 38	880 60	564 72	695 08	543 33	672 25	1,980 09	1,783 27	386 32	355 76	183 67	354 69	9,523 16
" " 1897	188 66	158 67	287 46	175 75	112 00	144 50	340 76	561 88	453 25	301 08	107 24	149 00	2,986 25
Meter Rents	52,821 25	2,011 83	1,847 31	48,976 68	310 98	1,938 77	56,308 54	1,822 09	1,286 11	55,139 34	2,071 03	2,025 40	226,559 33
Plumbing Bills	1,874 53	3,162 06	1,913 02	2,692 73	2,521 83	2,869 96	3,150 02	2,358 74	3,688 16	2,509 49	2,578 98	2,699 00	32,018 52
Meter Plumbing	1,950 33	1,732 44	1,060 74	1,660 34	488 14	2,946 33	1,713 38	885 89	116 39	830 63	1,804 08	1,762 00	16,950 69
Interest on back Water Rents	188 39	272 28	465 39	426 09	537 72	941 83	1,938 53	1,117 58	290 39	202 46	85 59	115 75	6,582 00
Turn Offs	42 00	16 00	7 00	15 00	4 00	10 00	660 00	1,809 00	342 00	227 00	53 00	55 00	3,240 00
Vacancies	78 00	81 00	31 00	20 00	29 00	56 00	19 00	20 00	11 00	37 00	50 00	73 00	505 00
Water Engineer	112 60	506 16	.....	.....	25 63	46 30	.....	374 14	36 64	80 16	195 02	.....	1,376 65
	$125,539 13	$214,207 72	$79,660 60	$101,671 90	$40,702 91	$56,795 89	$131,268 58	$42,930 56	$17,939 45	$72,543 32	$17,615 55	$43,455 39	$944,331 00

STATEMENT D.

Abatements Condensed for the Year 1900.

	Number.	Delinquent.	Current.	Total.
January	440	$1,003 59	$966 67	$1,970 26
February	557	2,429 22	860 42	3,289 64
March	493	1,721 62	1,229 16	2,950 78
April	368	1,061 06	574 65	1,635 71
May	642	1,901 67	823 32	2,724 99
June	522	2,306 54	675 65	2,982 19
July	509	2,147 64	700 85	2,848 49
August	507	1,419 10	922 67	2,341 77
September	254	752 04	593 48	1,345 52
October	408	3,563 80	958 19	4,521 99
November	304	3,202 12	849 07	4,051 19
December	513	642 29	1,591 51	2,233 80
Total	$5,517	$22,150 69	$10,745 64	$32,896 33

STATEMENT E.

New Supplies and Ferrules Returned for the Year 1900.

1,374 new supplies at $12.00	$16,488 00
209 " at $6.00	1,254 00
5 " at $8.00	40 00
770 joint supplies at $6.00	4,620 00
65 ferrules returned at $2.00	130 00
Total	$22,532 00

STATEMENT F.

Balances Remaining on Ledgers December 31, 1900.

Current water rates	$217,438 62
Delinquent water rates	24,507 88
Meter rates	2,314 82
Plumbing bills	9,818 05
Total	$254,079 37

STATEMENT G.

Revenue Shown by Ledgers January 1, 1901.

97,312 houses, yielding a revenue of	$683,216 33
Estimated revenue from meters and indicators	230,000 00
Total	$913,216 33

STATEMENT H.

Receipts from General Licenses from April 23 to December 31, 1900.

Wagons, one horse	$12,225 65
" two horse	7,215 55
" three horse	239 00
" four and more	408 95
Carts	2,530 40
Drays	142 30
Peddler's Permits	296 10
Hacks	466 10
Cabs	125 50
Cars	1,835 80
Package carts	520 85
Lighters	324 45
Bacon	1,037 98
Sausage and pudding	263 35
Merchandise (women)	132 40
Telegraph poles	7,814 36
Foreign fruit	234 60
Billiard tables	757 75
Bagatelle and pool tables	310 70
Coal oil	109 75
Theatrical permits and licenses	1,173 36
Bowling alleys	200 10
Pawnbrokers	666 75
Privies	249 35
Numbers replaced	35 60
	$39,322 70
Received for dog licenses	15,111 15
Total receipts	$54,433 85

FORTY-FIRST ANNUAL REPORT

—OF THE—

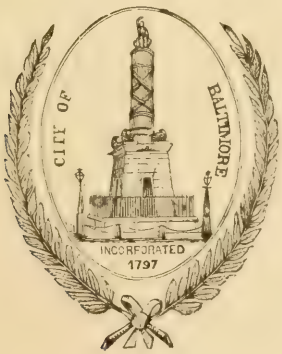
Commissioners for Opening Streets

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900



BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

REPORT

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS.

BALTIMORE, January 1, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN:

We have the honor to submit to you a statement of the operations of this department from January 1, 1900, to December 31, 1900, inclusive.

The following lists comprises the streets, alleys, etc., condemned, opened and closed during the above stated time; also the amount of damages, expenses and benefits, and amount assessed to the Mayor and City Council for each and every street, etc.

STREETS OPENED AND CLOSED.

NAMES OF STREETS.	NO. ORD.	APPROVED.	DAMAGES.	EXPENSES.	BENEFITS.	AMOUNT. ON CITY.
Opened.						
Mount street, from Baker street to Northwest street	205	May 1, 1899	$5,474 41	$711 75	$3,859 83	$2,326 33
Scott street, across the right of way of the B. and O. R. R. at Ostend street	61	June 15, 1900	5 00	246 08	.....	251 08
Jefferson street, from Patapsco street to the burial-ground of the Methodist Episcopal Church, East Baltimore Station	71	Sept. 20, 1897	6,654 80	483 75	6,390 00	748 55
Closed.						
Mine Bank lane, from Monument street to the north side of the Union Railroad	13	Nov. 20, 1900	.....	574 21	574 21	.....
Totals			$12,134 21	$2,015 79	$10,824 04	3,325 96

STREETS, ALLEYS, Etc., IN PROCESS OF OPENING.

Names of Streets.	No. Ord.	Approved.
*Morton alley, from John street to Hoffman street	96	May 25, 1882.
*Henry street, from Clement street to Fifth lane.	77	May 14, 1885.
*Elizabeth lane, from Randall street to Heath street	54	May 2, 1888.
*Dallas street, from Oliver street to Hoffman street	115	Oct. 16, 1888.
*Rope Walk lane, from Randall street to Heath street	36	April 26, 1889.
*Towson street, from Fort avenue to Marriott street	70	May 23, 1889.
*Florence street, from Fulton avenue to Retreat street	99	June 8, 1889.
*Francis street, from Retreat street to Whitelock street	101	June 8, 1889.
*Morris alley, from North avenue to Druid Hill Park	103	June 8, 1889.
Stoddard alley, from Mosher street to McMechen street	148	Oct. 9, 1889.
*Nicholson street, from Decatur to Cooksie street	161	Oct. 28, 1889.
Ridgely street, from Ostend street to Gwynn's Falls	77	May 8, 1891.
*An alley 10 feet wide, from Second street to First street	111	June 4, 1891.
*Neighbor street, from McKim street to Greenmount avenue	106	May 28, 1894.
An alley 15 feet wide, from Gold street to Bloom street	23	Mar. 6, 1893
*Windsor avenue, from North avenue to Clifton avenue	26	Mar. 20. 1894.
*Canton avenue, from Cannon street to Luzerne street	67	May 15, 1895
Whitelock street, from Linden avenue to Mt. Royal avenue	105	July 20, 1898.
*Wolfe street, from North avenue to Clifton Park.	112	Nov. 11, 1898.
*An alley 10 feet wide, from Orleans street to Jefferson street, between Central avenue and Eden street	29	April 5, 1898.
*An alley 9 feet 9 inches wide, from Monument street to an alley 10 feet wide, between Caroline street and Spring street	29	April 5, 1898.
*An alley 10 feet wide, from the south side of Madison street to an alley 10 feet wide, between Caroline street and Spring street	29	April 5, 1898.
*An alley 10 feet wide, from the north side of Madison street to the south side of Chew street, between Caroline street and Dallas street	29	April 5, 1898.
Belt street, from Fort avenue to Wells street	60	May 8, 1899.

*Recommended for repeal.

STREETS, ALLEYS, Etc., IN PROCESS OF CLOSING.

Names of Streets.	No. Ord.	Approved.
Point lane, from Ensor street to North avenue....	84	May 23, 1882.
*V alley, from Barre street to Welcome alley.....	91	Oct. 8, 1885
Butchers' lane, from Calhoun street to North avenue.....	61	May 2, 1888.
*Fourth lane, from Hanover street to Light street.	22	Mar. 29, 1889.
*Brown's lane, from Eden street to Caroline street	111	June 10, 1889.
Clifton Place, from Truxton street to Eager street	111	Oct. 17, 1892.
Grove street, from Truxton street to Eager street	111	Oct. 17, 1892.
Truxton street, from Forrest street to Concord street.....	111	Oct. 17, 1892.
Half Moon alley, from West of Chestnut street...	99	May 25, 1891.
*Comet street, from a 10-foot alley to a fence corner there situated.....	103	May 27, 1891.
*An alley, 33 feet wide, from York road to about 138 feet south of Huntingdon avenue.....	25	Mar. 6, 1893.
*An alley, from Madison street to an alley 10 feet wide, between Eden street and Spring street....	29	April 5, 1898.
West Falls lane, from Wells street to a point 85 feet 7 inches southerly.....	88	June 7, 1899.
Gilmor's lane, from the south side of Twenty-seventh street, southwesterly to the east line of St. Paul street.....	84	Dec. 12, 1900.

*Recommended for repeal.

A number of the foregoing uncompleted ordinances for the opening and closing of streets, alleys, etc., are pronounced void by the Second Assistant City Solicitor. Others have been found to be impracticable and some undesirable. This Board has prepared and submitted to your Committee on Highways for its consideration ordinances contemplating the repeal of all such uncompleted ordinances and respectfully urges early attention so that the records of this department may be purged of all obsolete enactments.

F. E. BOND,
HENRY YEWELL,
ARTHUR R. MACLELLAN,
Commissioners.

CARL CASEY, *Clerk.*

ANNUAL REPORT

OF THE

DEPARTMENT OF PUBLIC SAFETY,

SUB-DEPARTMENT OF HEALTH,

TO THE

Mayor and City Council of Baltimore,

FOR THE

Fiscal Year Ended December 31, 1900.

BALTIMORE:
WM. J. C. DULANY CO., PUBLIC PRINTERS.

1901.

OFFICERS AND EMPLOYEES OF THE DEPARTMENT OF PUBLIC SAFETY.

SUB-DEPARTMENT OF HEALTH.

JAMES BOSLEY, M.D.,
Commissioner of Health.

C. HAMPSON JONES, M.D.,
Assistant Commissioner of Health.

SYDNEY O. HEISKELL, M.D.,
Assistant Commissioner of Health (Quarantine).

THADEUS W. CLARK, M.D.,
Assistant Quarantine Physician.

J. W. M. KIGER,
Secretary Department of Health.

ARTHUR D. THOMPSON,
Assistant Secretary Department of Health.

WILLIAM ROYAL STOKES, M.D., *Bacteriologist.*

GUSTAV W. LEHMANN, PH.D., *Chemist.*

NICHOLAS G. KEIRLE, M.D., *Medical Examiner.*

SAMUEL A. KEENE, M.D., *Assistant Medical Examiner.*

JOSEPH C. MITCHELL, *Inspector of Plumbing and Drainage.*

G. R. MINNICK, C. H. INDERRIEDEN, *Assistant Inspectors of Plumbing and Drainage.*

FRANCIS A. EBBERTS, *Inspector of Drains.*
FRANCIS X. JENKINS, *Permit Clerk.*
HARRY C. ANDREWS, *Nuisance Clerk.*
JOHN H. UHLENBERG, *Registrar's Clerk.*
GEORGE C. WEDDERBURN, *Index Clerk.*
ALAN W. SMITH, M.D., *Inspector of Throats.*
CHARLES M. BRODWATER, *Inspector of Dairies.*
W. B. ROTH, C. A. LERIAN, C. A. KNELL and H. G. WILSON, *Inspectors of Food.*

H. J. HAHN, *Inspector of Bakeries.*
J. A. CAMPBELL, *Laboratory Clerk.*
GEORGE T. LYNCH, *Commissioner's Clerk.*
PATRICK R. GLYNN, *Keeper of Morgue.*
ELEAZER GOLDBERG, *Maker of Disinfectants.*
THOMAS E. MORSE and GEORGE W. PHILLIPS, *Disinfectors.*

GEORGE F. SCHULTZ and AUGUST RITTMILLER,
Drivers of Funeral Wagon.

JOHN B. WEILAGE, R. H. THOMAS and HERMAN KNICKMAN,
Laboratory Assistants.

HEALTH WARDENS.

First Ward—ALBERT T. CHAMBERS, M.D.

Second Ward—B. A. GOODMAN, M.D.

Third Ward—A. J. SAUER, M.D.

Fourth Ward—J. A. SCHULTE, M.D.

Fifth Ward—C. M. SCHULTE, M.D.

Sixth Ward—FREDERICK CARUTHERS, M.D.

Seventh Ward—A. C. HEARN, M.D.

Eighth Ward—ALEX. S. GAGE, M.D.

Ninth Ward—J. WILLIAM FRANCE, M.D.

Tenth Ward—JOHN F. HEMPEL, M.D.

Eleventh Ward—H. YOUNG WESTBROOK, M.D.

Twelfth Ward—THOMAS L. RICHARDSON, M.D.

Thirteenth Ward—CLAUDE VAN BIBBER, M.D.

Fourteenth Ward—W. A. DAVIS, M.D.

Fifteenth Ward—A. G. BARRETT, M.D.

Sixteenth Ward—D. S. WILLIAMS, M.D.

Seventeenth Ward—J. L. RIDGELY, M.D.

Eighteenth Ward—M. K. WARNER, M.D.

Nineteenth Ward—H. J. HAHN, M.D.

Twentieth Ward—MARSHALL G. SMITH, M.D.

Twenty-first Ward—R. A. WARNER, M.D.

Twenty-second Ward—ELLIS C. GAREE, M.D.

Twenty-third Ward—H. LEE FRANKS, M.D.

Twenty-fourth Ward—L. J. TURLINGTON, M.D.

REPORT

—OF THE—

COMMISSIONER OF HEALTH.

REPORT.

SUB-DEPARTMENT OF HEALTH,
DEPARTMENT OF PUBLIC SAFETY,
CITY HALL ANNEX,
BALTIMORE, January 1, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN—In accordance with the requirements of law I have the honor to submit the report of the Sub-Department of Health, Department of Public Safety, for the year ended December 31, 1900.

The death rate was 19.77 per thousand of the whole population—white and colored—compared with 18.76 per thousand in 1899, on the same basis of calculation, viz, a population of 541,000. The death rate per thousand for white population was 17.48; for colored 33.42. If we deduct the non-residents who died in the city during the year, the death rate is reduced to a lower rate, 19.30 per thousand.

GENERAL SEWERAGE.

The most important question, in my opinion, for the people of Baltimore to consider at present, is the establishment of a general sewerage system. The subject has been often discussed, but nothing has been accomplished. A few years ago a sewerage commission was appointed, which examined the matter thoroughly and made an exhaustive report.

A few weeks ago Mayor Hayes brought the subject of the construction of a general sewerage system before the public,

and, at his request, at that time I sent him a communication urging in as forcible a manner as I could the necessity of beginning this most important work. One of the reasons why the people of this city seem disposed to put off the building of sewers is the facility with which the surface water is disposed of. Baltimore being built on rolling land, storm and other water runs off much more easily than would be the case in Chicago, New Orleans, or other flat cities. If the surface water were only rain water, the objection beyond the inconvenience to pedestrians in encountering flowing water in the streets, would not be serious. But as conditions are here, not only storm water but that from kitchens, bathrooms, and in some cases from closets flows over the alleys and streets, percolates through the soil and spreads disease germs. In the last few years practically all the new houses have been furnished with interior flush closets, which empty into wells in the yards. There are over 90,000 earth closets in the city. The enormous quantity of polluted matter flowing every day into these wells has resulted in saturating the soil with dangerous organic matter. When the wells become filled their contents flow into the alleys and streets.

That this is one of the most frequent nuisances that the Health Department has to contend with is shown by the large number of complaints that are received from all sections of the city, and the number of notices to abate such nuisances, amounting in the past year to 33,787, that have been sent out by this Department.

The odors that arise from these closets are especially disagreeable and noxious in the late summer and autumn. All the more important sewers that now exist drain into the harbor. There is no tide or running water to carry the matter down the river. The solid matter sinks to the bottom, and the liquid portion becomes mixed with the water in the basin. Whenever dredging is done in the harbor, the odor is almost intolerable. Owing to the slope of the land, a large part of the surface water, carrying with it the

refuse matter of the streets, also drains into the harbor, the condition of which, after receiving such deposits for years, can easily be understood. The custom of washing spittoons and other vessels on the sidewalks and throwing the water into the gutters is reprehensible. In some sections slop water of various kinds is thrown in the streets.

All the alleys in the city should be paved with improved materials, but if that were done, with the present lack of sewers, they could not be kept clean. Generally, the most careless people live in the alleys, where are also the majority of the small unsanitary buildings, many of which were erected before the present building laws were passed. In these alleys the privies and back yards are the filthiest in the city. The refuse-matter is frequently found running over the pavements, especially in summer, when decomposition more readily takes place, and the menance to health is the most serious.

In many cases, owing in former years to the loose manner in which permits were issued, closets in dwellings have been connected with private drains, sometimes in an unscientific manner, the result being that foul gases find an entrance to houses from the drains, causing disease. The city is rapidly extending, especially in the northerly and westerly directions. No provision has been made in the new sections, except in those controlled by private corporations, for a system of sewers. Walbrook, for instance, has been built up into a city within fifteen years, but there are no sewers there, and the drainage is bad.

There are in Baltimore every year from 175 to 200 deaths from typhoid fever. This is a small percentage, it may be said, in a population of 508,000; but if the city had sewers, and the drainage of surface water were properly provided for, the larger percentage of these deaths would be preventable. Another important point in considering the disposal of sewage matter is the liability of the transmission of disease by flies and mosquitoes. It is well known that flies swarm wherever there is refuse-matter of any kind undergoing

decomposition. The earth closets being in every case close to dwelling-houses, it is inevitable that there is great danger from poison carried by flies. It is also a well-established fact that mosquitoes breed rapidly wherever there is a collection of foul, stagnant water. They are especially numerous near cess pools. Science has established the fact that one of the most active agents in spreading the germs of malaria is the mosquito.

Experiments now being conducted at Havana by an expert army physician leave no donbt that if malaria is to be obliterated in cities, the mosquito must be prevented from breeding. But as long as the cess-pools are allowed to exist, it will be next to impossible to exterminate mosquitoes. The statements here made are not mere theories. There is a direct connection between good water and a perfect system of sewerage and health in large cities.

Some years ago the death rate in Munich, in South Germany, was abnormally high. After a good supply of pure water was obtained and sewers built, conditions improved, and Munich is now one of the healthiest cities in Europe. It has been less than ten years since Hamburg was visited by the cholera, owing to impure water. A large filteration plant was erected; the water was purified, and the trouble disappeared—not, however, before the trade of the city had been damaged to the extent of millions of dollars.

It is most unwise to delay beginning the work of building sewers. Baltimore cannot afford to run the risk of having an epidemic, in order to stir the people to activity.

The sensible thing to do is to put the city in such a condition that it will be impossible for an epidemic of typhoid fever, diphtheria, cholera, or any other disease to break out. Baltimore is much more fortunate as to situation and climate than many other cities. It is well known, for instance, that every little scare about yellow fever in New Orleans injures the city's business to an amount that cannot be estimated. Quarantines have to be established and sometimes for weeks,

even months, no business can be done with the outside world. The loss in business alone, to say nothing of the damage done to the city's reputation, is sufficient to pay for a system of sewerage. From the business and economical point of view, the building of sewers is the best kind of an investment. The health of a city is clearly related to its business. A healthy, well-managed municipality, where taxes are moderate and the inducements in other respects are good for investments, will naturally attract capital. Baltimore is the chief city of the South. The bulk of its trade is now with that section and we must offer every inducement to buyers and investors. The competition for the Southern trade by Western and Northern cities is becoming keener every year, and Baltimoreans will be compelled to exert themselves if they expect to keep and extend the business they have with the South.

Money spent in beautifying a city and making it healthy is well spent. The taxpayers will not object to contributing in order to secure such a permanent and important an improvement as sewers. The healthier a city is the more valuable the property.

The present conditions cannot exist much longer without great danger to health. Sewers must be built at some time, and there is no better time to begin the work than the present. If the work is begun without delay, in from five to eight years Baltimore can have a complete system of sewers that will be worth every dollar that may be expended for the work.

INFECTIOUS DISEASE HOSPITAL.

The necessity for building a municipal hospital for the care of persons suffering with infectious diseases is, I believe, appreciated by all of our citizens. As no arrangements have been made by the city with any of the hospitals for their care, I have been compelled within the past year to care for a number of such cases in one of the rooms connected with the Health Department. By the most rigid isolation of the

patient and guarding of the room, and by subsequent fumigation, the presence of these cases has been in no way a source of danger to the public. Still I have been subjected to much adverse criticism on this point by some, who perhaps do not understand that had I refused them admittance they would have been thrown upon the street, causing perhaps a widespread infection.

Efforts have been made in the past to secure such a hospital, and the Mayor and City Council have appropriated a sum of money for the purchase of a site for the erection of such a building. Owing to the objections of property-owners in the vicinity of sites examined and discussed and to other causes, this sum of money has never been used and has reverted into the sinking fund. Immediately upon assuming the duties of Health Commissioner on March 1, 1900, I began again to call the attention of the Mayor and City Council to the importance of this subject. They acted without delay. For the purpose of obtaining the money to begin this needed improvement, and at the same time entail no unnecessary burden upon the taxpayers, they decided to sell the eastern potters' field and the old quarantine station—properties belonging to the city and maintained by it at a loss. The sale of these properties has been temporarily delayed, but the ordinance authorizing their sale expressly declares that the money derived therefrom is to be used in the purchase of a site for an infectious disease hospital. There is an ill-founded belief in the minds of the public that the presence of an infectious disease hospital in a community is a menace to the public health. This is erroneous. As a matter of fact, statistics prove that the safest place during an epidemic is in an infectious disease hospital. In Boston the municipal hospital for infectious diseases is located in one of the best residential portions of the city, and I have it from the lips of the superintendent that there is less infectious disease within a radius of a quarter of a mile of this hospital than in any other section of the city. While I do not believe that the presence of the hospital is the cause of

this immunity, but that the immunity from disease is due to the sanitary surroundings, I think it proves that the presence of the hospital is not a menace to the health of the people.

Notwithstanding all this I recognize the fact that a prejudice exists, and fear that it will be one of the most difficult obstacles to overcome in the establishment of that which is a great necessity. I earnestly hope, however, that this erroneous impression in the minds of a large number of our citizens may be removed, and that no objection will be made when a site is selected.

So impressed am I with the importance of building such a hospital that I will continue to agitate the subject until our city is supplied with suitable facilities for the care of and isolation of persons with infectious diseases.

FOOD INSPECTIONS.

One of the most important duties of the Health Department is the inspection of food. This fact you have recognized by making possible the appointment of an additional inspector, but the force at my command, however, is still inadequate for the proper examination of the food products consumed by our citizens. For example, it is possible with the present number of employes to inspect only about 10 per cent. of the milk consumed each day, and judging by the amount destroyed by them there must be a great deal of impure milk in the 90 per cent. that it is impossible for us to examine.

I recognize that our having an inspection at all has its moral effect upon dealers in this article of food, for no dealer knows at what moment his milk cans may be subjected to inspection. Still many will take the chances in the hope of escaping detection, which chances would be considerably lessened with a greater number of inspectors.

It is recognized by physicians that intestinal diseases of children are due, to a great extent, to impure milk. I respectfully refer you to the tables showing the number of deaths of children due to these diseases.

The need of a careful inspection of meat is shown by the report of our inspector, which is submitted herewith. It will be seen that there was slaughtered and offered for sale during the year a large quantity of meat totally unfit for human consumption.

A large quantity of unsound fruit and vegetables was also condemned and destroyed.

During the year 1901 I expect to enforce more rigidly the law in regard to impure food, as provision has been made for an additional inspector. One inspector will have supervision over the slaughtering establishments in the city; the duties of the other inspector will be directed to the stores, markets and wharves. By this arrangement it is believed that a larger percentage of impure products will be discovered and destroyed.

I most earnestly recommend right here that suitable legislation be adopted for the removal, without delay, of all cow stables within the city limits. Cows kept in the limited quarters that may be obtained in a large city like Baltimore are necessarily confined in stables that are badly ventilated, are subjected to unsanitary surroundings, and are deprived of the exercise necessary for the production of healthful milk. This milk is largely consumed by small children, and is thought to account for much of the intestinal troubles among them.

SANITARY INSPECTIONS AND VACCINATIONS.

Until May 1, 1900, the sanitary inspection and vaccine work was performed by thirty employes of this Department. Of these eight were designated sanitary inspectors, and the remaining twenty-two vaccine physicians. The duties of the former were to examine and report upon nuisances and see that they were abated; the vaccine physicians' duties were to see that all the residents of their respective wards were properly vaccinated. In addition, seven of the vaccine physicians were subject to call to the several police stations of the city. At the suggestion of the Mayor the last Legislature amended the

City Charter, removing all of these existing officers, and in their places providing for the appointment of twenty-four Health Wardens or vaccine physicians, who are charged with the performance of the same duties that formerly devolved upon thirty officers. That this change was a wise one is proved by the results that have been accomplished in the eight months since it was made. The Health Wardens have, without exception, manifested a lively interest in their work, feeling, as the Charter intends they should, that they are personally responsible for the health conditions of their respective wards, and, actuated by a spirit of friendly rivalry, they have performed their duties with commendable zeal in a manner entirely satisfactory to the Department. The results accomplished will fully appear by reference to tables submitted herewith.

RECORDS OF DEATHS AND BIRTHS.

The condition of the records of deaths and births is far from satisfactory. This is not due to any fault of the officer having charge of the records, but has resulted from the inability of the Health Department to employ the necessary assistance to have the records properly indexed. The system of recording was started in 1875, and for the first ten years the indices were regularly kept up. After this time the indices to the birth records were neglected, and since 1893 no attempt has been made to index the records of either births or deaths. Unfortunately, this detracts largely from the value of these important records. Whenever transcripts are required much valuable time is expended in searching for names which could be readily found if the indices were complete. There are no less than 170,000 names on the birth records alone that have never been indexed, and, added to this, hundreds of names have been indexed under the wrong initial letter. Much thought has been given to this matter, and an entirely new system of indexing has been devised and will be put into operation just as soon as the necessary clerical force can be

provided for. When the new system is in use there will be a separate volume for each letter of the alphabet and each volume "indexed through." The indexing will then be done on the page corresponding with the initial of the first or given name. In issuing a transcript, this will necessitate but a few minutes' work, whereas now very often more than an hour is required to do it.

It will take the entire time of one man for two years to put the records in a satisfactory shape, and I recommend that provision be made in the next annual estimate for the employment of an additional index clerk.

PAVING OF ALLEYS.

A matter demanding your earnest consideration is the proper paving of our alleys. Very many of these alleys as they are now paved are, from a sanitary point of view, in anything but a condition to be desired. It must be remembered that it is into the alleys that much of the filth and germ-breeding conditions find their way from dwelling houses, stores and factories. The cobble-stones now in use easily become displaced by the heavy wagons passing over them, and the alleys soon become filled with ruts and holes, which form receptacles for decomposing filth difficult to remove. To remedy this condition I would suggest legislation looking to the abolishment of cobble-stone pavements, and requiring that all alleys be paved with some improved material, preferably Belgian blocks or sheet asphalt. Such pavements would be better able to stand the wear and tear caused by the passage of heavy vehicles, and would not present the conditions that now obtain. This I believe to be more important than smooth streets, as the latter are more frequently swept by the Street Cleaning Department, and because they do not receive the amount of refuse that finds its way into the alleys.

PUBLIC SCHOOLS.

For a number of years past the Health Department has, at intervals, made careful examination of schools to ascertain the ventilation and the amount of air space allowed for each child. These examinations were especially made because it was known by the health officials that the population of our city was increasing in the usual proportion, but that no new school buildings were being erected. Also, that in place of new buildings, properly constructed, old residences were being used for schools; and, in some instances, crowding as many as twenty pupils into a room, originally intended for the occupation of two people. Without going into a detailed report, we again desire to state that the amount of air space allowed for each child was very far below that which is required to maintain health. Worse than this, there was practically no ventilation. The bacteriological examination of the atmosphere showed great increase in the number of bacteria over that of the normal atmosphere, which verified the opinion, formed by the sense of smell, that the atmosphere was polluted. Inasmuch, as in the past year, the old school buildings have not been enlarged or new ones erected, the conditions mentioned above must now be worse than they were a year ago. These conditions undoubtedly increase the number of cases of infectious diseases, such as scarlet fever and diphtheria, and worse still, they undermine the constitutions of the children, leaving them in a fit condition to become easy victims of tuberculosis. The tables on tuberculosis show the number of deaths from this disease during 1900. It is now recognized that tuberculosis is one of the preventable diseases.

DIPHTHERIA.

Attention is called to the report of Dr. William Royal Stokes, Bacteriologist of the Department, on diphtheria. It is gratifying to note that a reduction has been made in the percentage of deaths from this cause. In 1899, in the treatment

of three hundred and eleven cases, the percentage of mortality was 10.61. In 1900 the mortality was only 8.8 per cent., although six hundred and two cases of diphtheria were injected with Department antitoxin.

In three hundred and forty cases the diagnosis of diphtheria was confirmed by cultures, and in these cases the mortality was only 7.05 per cent. This is also an improvement over last year when, in two hundred and ten cases confirmed by cultures, the mortality was 9 per cent.

I believe the improvement to be due to the use by physicians of diphtheria antitoxin and careful fumigation of infected premises. Physcians are becoming more and more satisfied of the curative value of antitoxin, and are using the serum in much larger doses.

The Department is constantly supplied with fresh, pure antitoxin, which is freely given to persons unable to pay for it, and whenever it is desired the serum is administered by an officer of the Department without charge.

As a means of preventing the spread of the disease, the Department insists that the funerals of persons dying of diphtheria be absolutely private. As soon as a case of diphtheria is reported the house is placarded, and if death results a guard is sent to the house to warn persons, not members of the household, of the danger on entering. This action was found to be necessary for the reason that thoughtless persons, prompted by sympathy, would attend such funerals and very often carry the infection to their own homes.

A cheerful acquiesence to this rule of the Department has been generally observed.

SMALL-POX.

It is recognized by sanitarians that if the people of a community will be vaccinated when children, and re-vaccinated when there is danger of an invasion of small-pox from the surrounding cities or towns, that it is impossible for an epidemic

of the disease to establish itself. Recognizing this principle, the health officials of Baltimore have warned the people whenever there was danger; and whenever a case of small-pox came to our city, the moment they were informed of it, they had the case removed immediately to quarantine, and all the people who were probably exposed to the contagion were vaccinated, the house was fumigated, the clothing disinfected, and in some instances destroyed. This, in addition to the regular vaccination work, has prevented in the past year any case of small-pox being contracted within the city limits. All of the seventeen cases reported this year were contracted elsewhere.

In bringing about this result, the sum of $700, set aside out of the Emergency Fund, was expended. What it saved can be imagined when we remember that the small-pox epidemic of 1882–3 cost the city through its business interests the sum of $20,000,000.

MAPS.

The maps submitted with this report constitute a new and interesting feature. They comprise the record of the year, kept up from day to day, and show at a glance the location in our city of various diseases reported, and the resultant deaths. It will be noticed that the maps devoted to tuberculosis show a much greater death rate than the reported cases would seem to justify. This is principally due to the fact that cases of tuberculosis are seldom reported; and frequently, the only means which this Department has of obtaining knowledge of such cases is from the specimens of sputum sent to the bacteriological laboratory for examination.

AMBULANCE.

I am pleased to report that the Department is now supplied with a suitable ambulance for the transfer of the suffering to hospitals, etc. The need of such an ambulance, fitted with appliances for the comfort of the sick, and provided with

accommodations for attending physicians or friends, has been long recognized. The ambulance was bought out of the regular appropriation for the general expenses of the Department.

QUARANTINE HOSPITAL.

I want to refer, with a great deal of pleasure, to the management of the Quarantine Hospital, under Dr. Sydney Heiskell. I am exceedingly gratified that the city was enabled to secure the services of such an efficient officer to have charge of this important position. The experience gained by Dr. Heiskell during his former administration of this division has enabled him to grasp every situation that has presented itself, and to dispose of it in a manner highly gratifying to the Department.

During the year the administration and other buildings have been repaired and repainted; the boat-house, which was blown down, reconstructed; an artesian well bored; the lawn in front of the administration building newly sown in grass, and the farm greatly improved.

I desire to indorse the recommendation of Dr. Heiskell for the purchase of a new boat for the use of the station; the erection of an incinerating furnace in connection with the disinfecting plant, and the erection of barracks for the detention of suspects.

A detailed report of the work of the Quarantine Station for the year just ended is submitted herewith.

In conclusion, I desire to thank all the officers of this Sub-Department, and express my appreciation of their services. Their duties have at times been onerous and difficult of performance, but they at all times responded cheerfully to the demands of the Department.

In this connection I wish especially to refer to the services of Dr. C. Hampson Jones, Assistant Commissioner of Health, who, from his long experience in sanitary work, his thorough knowledge of the requirements of the Department and his

hearty co-operation in all matters pertaining to the public health, has rendered himself invaluable; and to the services of Mr. J. W. M. Kiger, Secretary of the Department, whose work has been most gratifying. Possessed of no little executive ability, Mr. Kiger has reorganized a number of the divisions coming under his supervision, and has introduced improvements, especially in relation to the keeping of the records of births and deaths, and the system of accounts required by the Department.

Respectfully submitted,

JAMES BOSLEY, M.D.,
Commissioner of Health.

REPORT

—OF THE—

SECRETARY.

REPORT.

HEALTH DEPARTMENT,

JANUARY 1, 1901.

JAMES BOSLEY, M.D.,

Commissioner of Health.

Dear Sir:

I have the honor to hand you herewith my report for the year 1900.

Yours respectfully,

J. W. M. KIGER,

Secretary.

TABLES.

VITAL STATISTICS OF THE CITY OF BALTIMORE FOR THE YEAR ENDING DECEMBER 31, 1900.

Estimated population, White			463,000
" Colored			78,000
Total			541,000
Marriages reported			4,818
Rate per 1,000 population			8.90
Births reported, white males	3,723		
" white females	3,519		
		7,242	
" colored males	695		
" colored females	716		
		1,411	
Total births reported		8,653	
Birth rate per 1,000 population, whole			16.00
" " " white			15.64
" " " colored			18.09
Still births			682
Total mortality, white males	4,179		
" white females	3,914		
		8,093	
" colored males	1,251		
" colored females	1,356		
		2,607	
Total deaths reported		10,700	
Annual death rate per 1,000 population, whole			19.77
" " " less non-residents			19.30
" " " white			17.48
" " " less non-residents			17.02
" " " colored			33.42
" " " less non-residents			32.80
Number of non-residents dying in the city, white			211
" " " " colored			48

Total number of deaths from Measles	24
" " " Scarlet Fever	20
" " " Diphtheria and Croup	279
" " " Whooping Cough	47
" " " Typhoid Fever	189
" " " Diarrhoea and Enteritis	105
" " " Dysentery	77
" " " Infantile Diarrhoea and Cholera Infantum	848
" " " Tuberculosis of Lungs	1,056
" " " Pneumonia	1,303
" " " Bronchitis	197
" " " Influenza	77
" " " Bright's Disease	618
" " " Cancer	318
" " " Diseases of the heart	660
" " " Sunstroke and heat exhaustion	92
" " " Anæmia	25
" " " Accidents	460
" " " Puerperal Fever	21
" " " " Convulsions	22
" " " " Peritonitis	10
" " " " Hemorrhage	3

Total mortality under five years of age	3,695
" from Diarrhoeal Diseases under five years of age	848
" from Diarrhoeal Diseases, all ages	1,030

Deaths in Public Institutions.

Baltimore City Jail	9
Penitentiary	20
Hospitals and Asylums	1,535
Total	1,564

Number of Coroner's Inquests	1,205
Total autopsies	107
Bodies received at the Morgue	347
Number of pounds of Disenfectants distributed	48,600

TABLE No. II.

Showing the Number of Cases Reported and Mortality from the Principal Zymotic Diseases During the Years 1894, 1895, 1896, 1897, 1898 and 1899, Compared with 1900 with Percentage of Death to Cases Reported in Each Year.

Diseases.	Cases Reported in 1894.	Deaths Reported in 1894.	Percentage of Deaths in 1894.	Cases Reported in 1895.	Deaths Reported in 1895.	Percentage of Deaths in 1895.	Cases Reported in 1896.	Deaths Reported in 1896.	Percentage of Deaths in 1896.	Cases Reported in 1897.	Deaths Reported in 1897.	Percentage of Deaths in 1897.	Cases Reported in 1898.	Deaths Reported in 1898.	Percentage of Deaths in 1898.	Cases Reported in 1899.	Deaths Reported in 1899.	Percentage of Deaths in 1899	Cases Reported in 1900.	Deaths Reported in 1900.	Percentage of Deaths in 1900.
Diphtheria	267	198	74.15	371	265	71.42	480	249	51.87	1,491	347	23.27	2,077	412	19.83	1,780	312	17.52	1,858	279	15.01
Scarlet fever	999	85	8.50	775	59	7.61	694	31	4.46	928	53	5.71	588	46	7.82	434	24	5.52	402	20	4.97
Croup *a*	142	33	23.33	258	45	17.44	173	32	12.65	129	13	10.07	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles	98	3	3 06	2,332	68	2.91	1,002	27	2.69	659	16	2.42	1,419	48	3.38	594	5	.84	2,770	24	0.86
Varioloid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Varicella	53	1	1.88	40	.....	.....	68	2	2.94	47	1	2.12	119	.....	.....	183	.....	.....	192	.....	.....
Whooping cough	320	112	35.00	171	68	39.76	266	87	32.87	213	42	19.71	335	64	19.10	129	19	15.83	239	47	19.66
Mumps	80	1	1.25	62	2	3.22	73	1	1.36	132	.....	.....	22	.....	.....	26	.....	.....	160	.....	.....
Typhoid fever	.....	222	.....	*260	173	66.53	472	188	39.83	363	189	52.06	545	186	34.68	462	153	33.11	871	189	21.70
Consumption	.....	1,106	.....	.....	1,141	.....	.....	1,122	.....	.....	1,047	.....	.....	1,061	.....	.....	974	.....	274	1,056	385.40
Pneumonia	.....	790	.....	.....	933	.....	.....	884	.....	.....	759	.....	.....	889	.....	.....	898	.....	.....	1,303	.....
Cholera infantum	.....	440	.....	.....	510	.....	.....	412	.....	.....	401	.....	.....	386	.....	.....	.....	.....	.....	.....	.....
Intestinal diseases	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	703	.....	.....	.....	.....

Cholera Infantum now included in Infantile Diarrhœa, etc.
Croup included with Diphtheria.

CASES OF CONTAGIOUS DISEASES REPORTED DURING THE YEAR 1900.

DISEASES.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	ug.	Sept.	Oct.	Nov.	Dec.	Total.
Small-pox	.....	.....	.....	9	2	3	1	1	.....	.....	.....	1	17
Diphtheria	257	190	166	113	98	76	86	68	147	240	224	143	1,808
Pseudo-Membranous Croup	12	8	5	2	3	2	1	2	.....	8	4	3	50
Croup	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Scarlet fever	48	26	40	21	20	13	20	17	33	47	69	48	402
Typhoid fever	29	16	16	20	24	11	53	189	159	152	114	88	871
Measles	467	796	702	379	255	89	31	10	3	16	14	8	2,770
Mumps	7	13	27	18	33	25	8	4	1	5	12	7	160
Whooping-cough	16	33	19	22	23	32	17	32	22	8	9	6	239
Varicella	39	28	24	20	23	6	5	.....	.....	2	23	22	192
Totals	875	1,110	999	604	482	257	222	323	365	478	469	326	6,510
There was also reported:													
Tuberculosis Pulmonalis	7	23	24	10	36	28	15	26	34	21	26	24	274
Cerebro-Spinal Meningitis	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	3
Totals	8	24	24	10	37	28	15	26	34	21	26	24	277

TABLE No. IV.

Deaths From All Causes During the Year 1900.

Diseases.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total.
General Diseases.													
1—Epidemic Diseases.													
Typhoid Fever	13	6	3	7	7	9	18	37	19	26	25	19	189
Measles	3	4	4	6	1	4	1	1	.....	.....	.....	.....	24
Scarlet fever	1	3	4	1	.....	1	.....	2	3	.....	2	3	20
Whooping cough	4	4	3	1	6	8	.....	6	6	2	5	2	47
Diphtheria	31	30	24	22	9	9	15	10	15	20	24	13	222
Membranous croup	8	4	4	3	.....	1	1	1	2	5	12	4	45
Croup	1	1	1	1	1	.....	1	.....	.....	3	.....	3	12
Influenza	9	5	19	21	13	3	2	2	1	.....	1	1	77
Cholera nostras	.....	.....	1	.....	.....	2	1	.....	1	.....	1	.....	6
Mumps	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
2—Other General Diseases.													
Pyæmia and septicæmia	2	3	6	5	7	3	4	3	4	5	.....	5	47
Rabies	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	2
Intermittent fever	.....	.....	3	3	5	5	2	7	16	1	3	4	49
Malarial cachexia	.....	.....	.....	.....	.....	.....	1	1	1	.....	1	.....	4
Tuberculosis—Lungs	76	86	114	84	80	76	81	93	87	89	93	97	1,056
meninges	8	4	3	8	7	7	3	4	6	2	3	3	58
larynx	3	2	.....	2	2	1	1	2	.....	6	1	1	21
peritoneum	2	.....	1	1	3	1	4	2	1	2	.....	1	18
skin	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2
other organs	3	1	2	1	1	3	3	.....	4	2	1	1	22

Tuberculosis—General	9	2	12	13	6	12	7	7	6	7	8	8	97
Scrofula	1				2	2					3		8
Syphilis	2	2	4	7		1	4	1	3		4	2	30
Cancer—Mouth	2	1	2	2			3	1	2	2			15
stomach or liver	5	8	15	14	12	9	10	7	11	13	8	10	122
intestines or rectum		2	3	1	2	3	3	3		2	1	1	21
female genital organs	5	7	11	7	1	6	3	6	5	9	11	8	79
breast	1	2	3	3	2	2	1	1	5	3	3	1	27
skin	4	2		1				1		1		2	11
other organs	2	3	4	5	5	4	2	6	4	4	2	2	43
Rheumatism	1	7	1	4	6	4	4	2	2	2	2	6	41
Diabetes	1	1	1	3				2	1	2	1	3	15
Diabete mellitus			1	1	1		1	4	1	5	3	3	20
Exopthalmic goitre						1		1					2
Leukemia	1	1	1		2				1			1	7
Anemia and chlorosis	4	1	2	1	2	3	2	3	1	2	3	1	25
Elephantiasis										1			1
Forms of Poisoning:													
Alcoholism, acute, chronic.	3	4	4	1	2	3	2	4	4	5	4	5	41
Lead poisoning							1						1
Local Diseases.													
3—Diseases of the Nervous System and of the Organs of Sense.													
Encephalitis					1		1				1	2	5
Meningitis—Simple	10	10	8	6	13	9	13	15	11	14	8	7	124
cerebro spinal	3	4	2	3	6	3	7	3	4	2	3	1	41
cerebral	4	5	4	4	1	1	5	4	1	1	4	5	39
spinal		1	3	3	3	1	1		1				13

TABLE No. IV—Continued.

Diseases.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total.
Progressive locomotor ataxis	1	.....	3	.....	.....	1	2	.....	.....	2	1	.....	10
Progressive muscular atrophy	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Congestion and hemorrhage of brain	33	31	33	40	31	27	34	30	27	28	30	25	369
Softening of the brain	5	5	2	1	5	4	6	4	4	2	3	1	42
Paralysis without specific cause	24	17	19	15	17	20	6	17	8	9	12	13	177
General paralysis of the insane	.....	.....	1	.....	.....	.....	.....	.....	.....	1	1	.....	3
Other forms of insanity	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Epilepsy	2	2	1	.....	1	1	1	2	2	1	2	1	16
Convulsions (not puerperal)	.....	1	2	1	1	.....	1	.....	.....	.....	.....	.....	6
Convulsions of infants	20	25	26	22	18	22	26	23	29	24	18	18	271
Tetanus	.....	.....	1	2	2	1	1	1	.....	1	1	.....	10
Chorea	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2
Other nervous diseases	2	4	5	6	5	2	3	2	2	5	1	4	41
Diseases of the ears	.....	2	1	3	.....	3	.....	.....	.....	1	.....	1	11
4—Diseases of the Circulatory System.													
Pericarditis	1	.....	3	2	.....	3	1	.....	2	.....	2	1	15
Endocarditis	8	9	.....	4	1	3	1	1	4	3	3	4	41
Organic heart diseases	56	51	63	54	52	52	41	39	33	40	45	51	577
Angina Pectoris	6	3	3	3	2	.....	2	1	.....	3	2	2	27
Diseases of the arteries, atheroma, aneurism, etc	13	2	6	11	8	4	8	2	1	3	5	8	71

Embolism	.....	2	2	2	.....	1	.....	1	1	.....	2	1	12
Varices, varicose ulcers, hemorrhoids	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	2
Phlebitis	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Lymphangitis	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2
Other diseases of the lymphatic system	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Hemorrhage	3	2	2	3	1	3	5	1	2	1	1	1	25
Other diseases of the circulatory system	1	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	4
5—Diseases of the respiratory system.													
Diseases of the larnyx and thyroid gland	4	.....	.....	.....	1	.....	1	.....	1	.....	.....	1	8
Acute bronchitis	16	9	21	12	9	10	5	1	3	5	3	8	102
Chronic bronchitis	10	14	8	15	11	1	7	4	8	4	7	6	95
Capillary bronchitis	11	14	18	7	5	5	1	1	4	4	10	1	81
Broncho pneumonia	21	37	39	32	13	12	10	5	4	9	9	19	210
Pneumonia	136	172	179	175	95	53	37	18	24	40	62	102	1,093
Pleurisy	4	3	7	1	2	1	1	.....	3	1	1	3	27
Congestion of the lungs (including pulmonary apoplexy)	5	5	7	9	4	1	1	5	1	4	2	3	47
Gangrene of the lungs	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Asthma and emphysema	5	7	4	4	1	2	4	.....	2	5	2	4	40
Other diseases of the Respiratory system	8	2	4	2	1	2	1	2	2	2	4	.....	30
6.—Diseases of the Digestive System.													
Diseases of the mouth and its adnexa	.....	1	.....	.....	.....	.....	1	.....	.....	6	.....	.....	8

TABLE No. IV—Continued.

Diseases.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Diseases of the pharynx and æsophagus	1	1	2	1	3	.....	.....	.....	1	2	.....	.....	11
Ulcer of the stomach	4	1	1	1	1	2	.....	1	1	.....	2	1	15
Other diseases of the stomach (cancer excepted)	7	9	12	15	11	5	23	7	4	17	16	7	133
Infantile diarrhœa and gastro-enteritis, athrepsia (cholera infantum)	6	5	4	6	13	115	350	168	104	44	19	14	848
Diarrhœa and enteritis	10	5	6	1	6	3	11	22	16	10	7	8	105
Dysentery	.....	2	2	4	2	1	21	16	17	7	2	3	77
Hernia and intestinal obstructions	4	10	7	6	3	3	5	7	4	11	6	9	75
Other diseases of the intestines	5	.....	2	1	.....	3	3	1	2	1	1	2	21
Acute yellow atrophy of the liver	1	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	3
Cirrhosis of the liver	5	4	7	4	3	3	8	3	3	2	5	9	56
Biliary calculi	.....	3	1	1	2	.....	.....	.....	1	3	.....	.....	11
Other diseases of the liver	5	2	3	4	5	8	8	10	4	2	1	3	55
Other diseases of digestive system, (cancer and tuberculosis excepted)	.....	.....	.....	.....	.....	1	1	1	1	2	1	1	8
Peritonitis (not puerperal)	7	5	3	4	3	6	3	3	6	7	3	3	53
Iliac abscess (typhilitis, perityphilitis, appendicitis)	3	3	5	6	5	3	11	9	3	4	7	4	63
Diseases of anus and fecal fistulas	.....	.....	1	.....	.....	.....	1	1	.....	2	.....	.....	5

7.—Diseases of Genito-Urinary System.													
Acute Nephritis	3	7	3	2	2	5	4	2	2	.....	6	2	38
Bright's disease	44	62	65	67	52	48	49	45	42	45	49	50	618
Renal calculus	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	2
Other diseases of the kidneys and adnexa	.....	.....	.....	2	1	1	.....	5	1	2	.....	.....	12
Vesical calculi	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Diseases of the bladder	3	2	1	1	1	1	1	3	.....	3	3	1	20
Diseases of the urethra (urinary abscess, etc.)	.....	1	1	2	1	.....	.....	.....	1	1	.....	.....	7
Diseases of the prostate	1	.....	1	3	1	2	.....	.....	2	1	.....	1	12
Diseases of the testicle and its membranes, orchitis	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Pelvic abscess	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	2
Metritis	.....	.....	.....	.....	2	.....	.....	.....	.....	1	.....	.....	3
Uterine hemorrhage (not puerperal)	1	.....	.....	.....	1	.....	.....	1	.....	.....	.....	1	4
Uterine tumor (not cancer)	1	2	.....	.....	.....	1	1	1	.....	1	2	1	10
Other diseases of the uterus	1	.....	.....	.....	.....	.....	1	.....	.....	.....	2	.....	4
Ovarian cysts and ovarian tumor	.....	.....	1	.....	2	.....	1	.....	.....	1	2	.....	7
Other diseases of the female genital organs	.....	2	1	1	1	.....	1	2	.....	2	3	.....	13
8—Puerperal Diseases.													
Accidents of pregnancy	3	7	1	3	3	3	4	.....	1	.....	1	1	27
Puerperal hemorrhage	.....	.....	.....	.....	1	1	.....	.....	.....	1	.....	.....	3
Other accidents of delivery	4	3	7	4	5	3	3	4	.....	1	4	5	43
Puerperal septicaemia	4	.....	2	2	3	.....	2	4	.....	2	1	1	21
do peritonitis	1	1	.....	.....	1	.....	.....	2	1	1	1	2	10

TABLE No. IV—Continued.

Diseases.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Puerperal albuminuria and convulsions	2	4	1	.....	3	1	1	2	1	1	4	2	22
9—Diseases of the Skin and Cellular Tissue.													
Erysipelas	2	4	2	4	3	2	.....	.....	1	.....	2	1	21
Gangrene	2	1	2	1	.....	.....	1	1	.....	.....	.....	.....	8
Phlegmon, acute abscess	1	.....	.....	.....	2	1	2	.....	.....	3	1	2	12
Carbuncle	.....	.....	.....	.....	.....	.....	.....	1	3	.....	.....	.....	4
Other diseases of the skin and its adnexa	.....	.....	.....	2	1	.....	1	3	3	.....	1	1	12
10—Diseases of Locomotor System.													
Potts' Disease	.....	.....	1	.....	1	.....	.....	1	.....	.....	1	1	5
Chronic or cold abscess	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2
Other diseases of the bones	1	2	1	2	.....	2	1	.....	2	.....	3	2	16
Other diseases of the joints	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
11—Malformation.													
Hydrocephalus, etc	.....	2	2	2	1	1	2	.....	.....	.....	1	1	12
12—Diseases of Infancy.													
Congenital Debility, Jaundice and Sclerema (Premature Birth)	27	22	23	28	30	35	43	25	23	27	40	30	353
Want of care	.....	.....	.....	.....	1	.....	2	1	.....	.....	.....	1	5
Inanition	11	21	29	30	29	42	77	68	65	75	44	24	515

Other diseases of infancy....	21	3	3	2	1	1	.....	.....	.....	.....	2	1	34
13—Diseases of Old Age.													
Senile debility.....	25	27	48	26	30	22	36	20	29	23	22	31	339
14—Violence.													
Suicide—By poison.....	.....	.....	2	2	3	1	3	3	2	1	2	1	20
" asphyxia.....	.....	.....	2	3	1	1	.....	1	1	.....	1	1	11
" strangulation..	.....	1	.....	1	.....	.....	1	4	1	1	1	.....	10
" drowning.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	2
" firearms.....	.....	1	2	3	.....	2	2	.....	1	.....	2	3	16
" cutting instruments.....	.....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....	3
Accidents: Fracture of the femur.....	4	1	.....	3	2	5	1	.....	.....	1	2	1	20
" of skull.....	2	2	1	4	3	2	2	5	2	5	3	4	35
" vertabræ	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	3	6
" other organs	2	1	2	.....	3	1	.....	1	.....	.....	.....	2	12
Gunshot.....	.....	.....	.....	.....	.....	.....	2	1	2	1	2	1	9
Railroad accidents	6	3	2	10	12	4	1	5	4	5	2	5	59
Vehicles & horses	.....	.....	1	.....	.....	3	3	1	.....	4	1	.....	13
Burning—Fire (burn).....	3	8	9	3	3	5	6	2	3	8	4	6	60
Hot liquid (scalds)	1	.....	.....	3	.....	.....	.....	.....	3	1	1	1	10
Electric shock.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	3
Heat Exhaustion and sunstroke.....	.....	.....	.....	.....	1	2	26	62	1	.....	.....	.....	92
Accidental drowning.....	1	1	1	9	3	9	7	12	6	3	3	2	57
Inhalation of noxious gases, not suicidal.....	3	1	4	2	.....	.....	.....	.....	1	4	1	.....	16
Accidental poisoning.....	.....	1	1	.....	.....	1	3	.....	.....	1	.....	2	9
Other accidents.....	2	1	2	2	3	8	10	5	10	6	2	8	59
Legal Executions	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Homicide.....	1	1	1	1	1	.....	4	4	2	4	5	2	26

TABLE No. IV—Concluded.

Diseases.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
15—Causes Ill-Defined													
Exhaustion, cachexia, debility	2	1	2	4	5	5	3	3	3	.....	1	3	32
Fever—Inflammation, not well defined	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2
Dropsy	3	1	1	5	1	.....	3	1	1	.....	.....	1	17
Heart failure	10	7	3	4	6	4	5	2	6	3	6	5	61
Asphyxia—Cyanosis, not congenital	2	3	2	.....	1	.....	2	.....	1	1	5	1	18
Sudden death, not puerperal	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Abdominal tumors	2	.....	1	.....	.....	1	.....	.....	.....	.....	.....	2	6
Other tumors	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2
Wounds—Surgical shock	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	2
Unknown or not specified causes	7	3	.....	.....	.....	3	2	.....	2	1	.....	2	20
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,700

TABLE No. V—DEATHS ACCORDING TO AGE, SEX AND COLOR, FOR THE YEAR 1900—WHITE.

AGES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		TOTAL.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Under 1 year	61	57	65	43	90	42	62	45	53	45	89	74	188	183	111	99	85	96	93	76	51	53	64	51	1,876
Between 1 and 2 years	14	12	24	20	23	16	13	12	7	7	12	18	31	23	24	26	18	13	15	9	15	10	8	8	378
Between 2 and 5 years	22	26	25	20	20	21	22	18	10	12	13	5	10	10	10	11	11	13	13	13	14	12	15	11	357
Total under 5 years	97	95	114	83	133	79	97	75	70	64	114	97	229	216	145	136	114	122	121	98	80	75	87	70	2,611
Between 5 and 10 years	11	11	7	7	11	11	8	13	15	8	4	7	17	3	6	10	9	13	8	3	11	15	9	6	223
Between 10 and 15 years	5	6	6	4	4	3	7	1	5	2	1	3	8	6	7	6	6	5	5	6	5	4	5	4	114
Between 15 and 20 years	4	3	4	12	4	8	14	9	8	8	7	5	15	14	9	16	7	6	6	10	10	5	6	4	194
Between 20 and 30 years	33	24	26	19	27	27	34	24	28	24	22	22	29	23	30	26	19	20	33	24	29	23	22	32	620
Between 30 and 40 years	24	31	41	23	33	32	28	40	43	24	31	24	37	18	26	34	31	13	32	32	44	32	32	24	729
Between 40 and 50 years	34	31	40	30	39	31	37	27	25	26	35	27	27	31	30	27	26	18	33	17	30	28	29	26	704
Between 50 and 60 years	34	26	36	29	33	33	49	37	32	30	25	24	28	19	35	40	26	17	42	28	27	26	38	28	742
Between 60 and 70 years	59	52	43	45	48	54	45	61	28	32	35	25	41	45	37	37	31	31	31	36	36	32	37	35	956
Between 70 and 80 years	32	36	27	32	43	46	35	56	29	33	25	33	26	40	26	34	25	33	25	18	31	24	34	34	777
Between 80 and 90 years	17	24	12	15	13	34	11	21	14	19	3	20	8	29	14	22	8	17	6	9	16	8	15	15	370
Between 90 and 110 years	.....	1	.....	1	2	7	.....	4	.....	4	.....	.....	3	6	.....	2	.....	1	2	3	.....	4	6	6	52
Unknown age	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
TOTAL	350	340	356	300	390	365	365	368	297	274	302	287	468	450	366	390	302	296	344	284	319	276	320	284	8,093

TABLE No VI—BIRTHS REPORTED FOR THE YEAR 1900.

	Jan.	Feb	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
White—Males	354	291	278	276	279	248	293	388	354	300	310	352	3,723
White—Females	312	298	285	250	253	212	314	355	330	294	290	326	3,519
Colored—Males.....	57	63	43	58	46	43	60	64	93	66	52	50	695
Colored—Females	66	55	29	62	47	40	72	76	83	67	82	37	716
Total births reported.	789	707	635	646	625	543	739	883	860	727	734	765	8,653
ILLEGITIMATES.													
White—Males.....	8	4	5	8	4	4	16	13	5	21	13	9	110
White—Females	12	5	9	5	8	6	9	11	15	12	4	4	100
Colored—Males.....	13	14	11	11	9	18	24	21	18	21	10	22	192
Colored – Females	18	11	10	11	13	11	30	25	13	10	19	7	178
Total.....	51	34	35	35	34	39	79	70	51	64	46	42	580

TABLE No VII—Deaths by Months, According to Causes, During the Year 1900.

Months.	Small Pox	Measles.	Scarlet Fever.	Diphtheria and Pseudo-Memb. Croup	Croup.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.	Diarrhoeal Diseases Under Five Years.	Puerperal Fever.	Cancer.	Phthisis.	Other Tuberculous Diseases.	Congenital Debility, Prem. Birth, etc.	Diseases of the Nervous System.	Heart Disease.	Bronchitis.	Pneumonia.	Diseases of the Digestive System.	Bright's Disease.	All Other Diseases.	Accidents.	Murder.	Suicide.	Total Deaths Under Five Years.	Total Deaths.
January	...	3	1	39	1	4	13	16	6	4	19	76	25	27	105	71	37	157	42	44	180	24	1	...	268	889
February	...	4	3	34	1	4	6	12	5	...	25	86	9	22	106	63	37	209	39	62	155	19	1	3	298	900
March	...	4	4	28	1	3	3	12	4	2	38	114	18	23	111	69	47	218	44	65	192	23	1	6	321	1,026
April	...	6	1	25	1	1	7	11	6	2	33	84	25	28	104	63	34	207	43	67	186	36	1	9	273	974
May	...	1	...	9	1	6	7	21	13	3	22	80	19	30	104	55	25	108	36	52	166	30	1	5	211	781
June	...	4	1	10	...	8	9	119	115	...	24	76	26	35	92	58	16	65	34	48	149	40	...	5	321	819
July	...	1	...	16	1	...	18	382	350	2	22	81	18	43	107	45	13	47	64	49	203	62	4	8	602	1,186
August	...	1	2	11	...	6	37	206	168	4	25	93	15	25	101	41	6	23	45	45	166	95	4	8	365	959
September	...	...	3	17	...	6	19	137	104	...	27	87	17	23	89	39	15	28	30	42	177	34	2	5	320	797
October	...	...	...	25	3	2	26	61	44	2	34	89	19	27	90	46	13	49	59	45	164	40	4	2	286	800
November	...	...	2	36	...	5	25	28	19	1	25	93	13	40	85	52	20	71	42	49	162	22	5	6	213	782
December	...	...	3	17	3	2	19	25	14	1	24	97	14	30	78	58	15	121	39	50	149	35	2	5	217	787
Totals	...	24	20	267	12	47	189	1,030	848	21	318	1,056	218	353	1,172	660	278	1,303	517	618	2,049	460	26	62	3,695	10,700

TABLE No. VIII.

Comparison of Deaths from All Causes, and from Specified and Contagious Diseases for Twenty-three Years, from 1877 to 1900 inclusive.

YEARS.	Population.	Measles.	Scarlet Fever.	Typhoid Fever.	Croup.	Diphtheria & pseudo-membr croup.	Whooping Cough.	Dysentery.	Cholera Infantum.	Children under 5 Yrs.	Total Mortality. All causes.
1877	311,275	161	597	235	157	455	297	52	616	4,584	7,910
1878	318,182	11	141	176	149	303	63	41	343	3,372	6,733
1879	325,139	43	367	166	186	298	80	60	475	3,385	7,618
1880	332,313	12	400	196	173	293	148	57	503	3,602	8,043
1881	339,649	162	215	197	242	639	93	56	558	3,919	8,116
1882	347,142	71	179	165	222	707	43	62	390	3,755	8,923
1883	354,832	130	334	126	201	591	59	52	473	4,062	9,380
1884	362,668	228	104	151	127	343	120	43	496	3,643	8,293
1885	370,696	16	68	155	148	252	63	60	498	3,228	8,153
1886	378,903	201	32	150	128	190	91	84	485	3,565	8,339
1887	387,300	85	36	156	153	149	98	137	567	3,477	8,372
1888	395,899	176	44	161	98	118	112	167	654	3,881	8,936
1889	404,498	11	71	191	53	155	54	156	572	3,505	8,703
1890	413,671	248	42	247	45	274	100	212	507	4,117	10,198
1891	426,917	16	128	150	44	350	103	118	531	3,910	10,073
1892	440,163	120	258	193	47	381	32	109	661	4,443	10,582
1893	453,409	39	36	224	25	185	60	62	444	3,604	9,554
1894	466,655	3	85	222	33	198	112	72	440	3,761	9,486
1895	479,907	68	59	173	45	265	68	70	510	4,026	10,301
1896	493,147	27	31	188	32	249	87	82	412	3,728	9,919
1897	506,398	16	53	189	13	347	42	57	401	3,510	9,329
1898	541,000	48	46	189	50	362	64	82	386	3,939	10,385
1899	541,000	5	24	153	...	312	19	...	.....	3,319	10,152
1900	541,000	24	20	189	12	267	47	77	848	3,695	10,700

TABLE No. IX.

SHOWING TOTAL DEATHS, AND DEATHS FROM ZYMOTIC DISEASES FOR TWENTY-SIX YEARS, WITH PERCENTAGE OF DEATHS TO TOTAL MORTALITY FROM 1875 TO 1900, INCLUSIVE.

	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.
Total deaths, exclusive of still births	7,258	7,498	7,910	6,733	7,618	8,043	8,816	8,923	9,380	8,035	8,153	8,339	8,244	8,936	9,365	10,198	10,073	10,582	9,554	9,486	10,301	9,919	9,329	10,385	10,152	10,700
Death rate	22.33	22.38	22.60	18.44	19.30	20.41	22.37	21.81	22.93	20.77	19.55	19.98	19.16	17.87	17.40	22.41	22.14	23.25	20.99	20.84	20.76	19.60	18.43	19.19	18.76	19.77
Still births	560	588	538	655	620	636	651	677	701	746	650	718	669	694	784	800	811	813	770	721	666	678	706	748	706	682
Rate of still births to 1,000 inhabitants	1.70	1.75	1.53	1.79	1.57	1.61	1.65	1.71	1.71	1.82	1.59	1.72	1 60	1.63	1.84	1.75	1.78	1.78	1.69	1.58	1.34	1.33	1.39	1.38	1.41	1.46
DEATHS FROM ZYMOTIC DISEASES.																										
Diphtheria and croup	238	249	557	452	384	476	881	929	792	470	400	318	302	216	206	319	394	428	210	231	310	281	360	412	312	279
Fever, scarlet	519	562	447	141	80	400	215	179	334	104	68	32	36	44	71	42	128	258	36	85	59	31	53	46	24	20
" typhoid	187	176	201	175	367	196	197	165	126	151	155	150	156	161	191	247	150	193	224	222	173	188	189	189	153	189
" cerebro spinal	53	25	17	26	1	26	37	38	42	20	24	24	19	22	18	31	18	38	59	26	27	32	22	3	.....	41
Whooping cough	78	39	303	63	80	148	93	43	59	120	63	91	98	112	54	100	103	32	60	112	68	87	42	64	19	47
Measles	15	43	151	11	43	12	75	71	130	228	16	201	85	176	11	248	16	120	39	3	68	27	16	48	5	24
Small-pox	1	.....	.....	1	1	1	11	551	633	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Total zymotic diseases	1,091	1,094	1,676	869	956	1,259	1,509	1,976	2,116	1,094	726	817	696	731	551	987	809	1,069	628	679	705	646	682	762	514	600
Percentage of zymotic deaths to total mortality	15.03	14.59	21.18	12.90	12.53	15.65	17,11	22.14	22.25	13.51	8.90	9.78	8.46	8.18	5.88	9.67	8.03	10.10	6.57	7.15	6.84	6.51	7.31	6.85	5.06	5.60

TABLE No. X.

Showing the Number of Deaths Annually from Typhoid Fever During a Period of Twelve Years from 1888 to 1900, Inclusive, Male and Female, White and Colored, in the City of Baltimore.

Year.	Estimated Population.	White.			Colored.			Total Males.	Total Females.	Total Deaths.
		Males.	Females.	Total.	Males.	Females.	Total.			
1888	395,899	88	90	178	80	14	94	168	104	272
1889	404,498	88	93	181	23	20	43	111	113	224
1890	413,671	135	109	244	26	31	57	161	140	301
1891	426,917	82	75	157	13	19	32	95	94	189
1892	440,163	90	102	192	19	15	34	109	117	226
1893	453,409	108	120	228	11	16	27	119	136	255
1894	466,655	103	104	207	23	27	50	126	131	257
1895	479,907	82	75	157	21	14	35	103	89	192
1896	493,147	93	81	174	16	14	30	109	95	204
1897	506,398	99	76	175	20	14	34	119	90	209
1898	541,000	96	62	158	19	24	43	115	86	201
1899	541,000	67	52	119	18	16	34	85	68	153
1900	541,000	83	69	152	21	16	37	104	85	189

TABLE XI—DEATHS ACCORDING TO AGE, SEX AND COLOR FOR THE YEAR 1900—COLORED.

AGES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		TOTAL.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Under 1 year	28	24	33	24	38	34	41	19	19	24	35	39	70	64	40	30	29	28	22	24	29	20	20	17	751
Between 1 and 2 years	2	3	10	13	8	7	6	8	3	9	11	11	8	8	3	6	6	10	3	5	.. ....	2	4	1	147
Between 2 and 5 years	10	9	7	14	10	12	14	13	9	13	7	7	5	2	1	4	5	6	9	4	2	5	6	12	186
Total under 5 years	40	36	50	51	56	53	61	40	31	46	53	57	83	74	44	40	40	44	34	33	31	27	30	30	1,084
Between 5 and 10 years	1	5	5	7	7	4	2	5	7	7	3	3	4	1	5	5	3	4	5	3	7	4	1	4	102
Between 10 and 15 years	1	1	1	3	4	4	2	3	7	3	2	4	1	1	4	2	3	2	.....	3	1	6	1	2	61
Between 15 and 20 years	5	5	5	6	4	4	6	9	4	7	6	6	3	6	3	6	1	5	4	5	.....	9	2	3	114
Between 20 and 30 years	8	16	9	20	14	16	14	7	6	17	7	12	5	10	9	15	13	12	12	12	12	13	17	20	296
Between 30 and 40 years	7	9	7	14	10	7	12	13	9	11	8	7	12	13	7	7	13	5	11	9	7	5	7	8	218
Between 40 and 50 years	6	8	16	9	12	10	12	11	7	7	12	13	9	13	11	12	11	10	4	6	16	10	12	11	248
Between 50 and 60 years	10	14	12	10	14	11	6	8	6	14	8	11	11	6	5	9	6	12	9	4	5	9	6	11	217
Between 60 and 70 years	6	2	4	4	8	10	7	12	2	7	4	7	5	2	5	4	6	1	3	5	10	5	2	7	128
Between 70 and 80 years	3	8	4	5	6	5	.....	6	2	6	1	1	3	4	5	1	2	2	3	4	4	3	2	3	83
Between 80 and 90 years	3	3	1	1	4	5	1	1	2	2	1	1	.....	1	.....	3	2	.....	.....	.....	.....	3	.....	3	37
Between 90 and 110 years	1	1	.....	.....	1	2	.....	3	.....	.....	1	2	.....	1	.....	1	.....	2	1	1	.....	.....	.....	1	18
Unknown age	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Total	91	108	114	130	140	131	123	118	83	127	106	124	136	132	98	105	100	99	87	85	93	94	80	103	2,607

TABLE No XII—DEATHS DURING THE YEAR 1900, IN MONTHLY PERIODS—SEX, COLOR AND NATIVITY.

Months.	Native White.			Foreign White.			White.			Colored.			Totals.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
January	246	248	494	101	92	193	347	340	687	91	108	199	438	448	886
February	271	226	497	83	74	157	354	300	654	111	130	241	465	430	895
March	311	282	593	79	83	162	390	365	755	140	131	271	530	496	1,026
April	274	264	538	84	104	188	358	368	726	123	117	240	481	485	966
May	229	203	432	68	70	138	297	273	570	82	126	208	379	399	778
June	236	225	461	65	62	127	301	287	588	105	124	229	406	411	817
July	394	375	769	73	75	148	467	450	917	136	132	268	603	582	1,185
August	291	307	598	72	83	155	363	390	753	97	105	202	460	495	955
September	238	240	478	63	56	119	301	296	597	99	99	198	400	395	795
October	275	216	491	69	68	137	344	284	628	87	85	172	431	369	800
November	246	212	458	69	64	133	315	276	591	92	94	186	407	370	777
December	238	227	465	80	57	137	318	284	602	79	103	182	397	387	784
Unknown	.....	.....	.....	.....	.....	.....	24	1	25	9	2	11	33	3	36
Totals	3,249	3,025	6,274	906	888	1,794	4,179	3,914	8,093	1,251	1,356	2,607	5,430	5,270	10,700

DEATHS ACCORDING TO WARDS DURING THE YEAR 1900.

Wards.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total.
First	38	39	40	47	29	37	59	44	40	33	34	38	478
Second	68	62	72	81	74	55	75	59	47	45	55	57	750
Third	45	31	44	28	37	25	44	36	35	28	36	24	413
Fourth	39	36	40	48	31	43	45	39	49	37	40	28	475
Fifth	38	39	50	36	24	46	73	63	45	33	40	40	527
Sixth	40	32	49	31	40	31	60	50	67	52	29	42	523
Seventh	33	44	46	43	36	39	49	49	26	28	38	41	472
Eighth	41	38	42	53	29	42	38	51	38	33	35	35	475
Ninth	42	36	33	29	32	15	45	37	38	25	30	20	382
Tenth	35	48	40	40	37	33	40	47	32	33	43	38	476
Eleventh	22	27	21	30	24	25	32	36	23	27	27	24	318
Twelfth	32	31	52	35	36	27	44	41	22	25	29	33	407
Thirteenth	50	38	58	50	28	31	46	19	24	35	25	36	440
Fourteenth	54	44	65	60	54	64	67	53	55	27	26	26	595
Fifteenth	25	34	50	38	34	33	39	37	31	53	40	50	454
Sixteenth	25	20	27	20	18	22	26	28	16	18	32	23	275
Seventeenth	26	37	40	29	24	23	34	27	29	34	23	34	360
Eighteenth	38	48	33	52	30	35	50	40	19	42	28	29	444
Nineteenth	25	32	31	30	24	21	42	36	30	20	25	25	341
Twentieth	34	42	34	46	35	40	55	33	31	22	35	32	439
Twenty first	39	40	52	39	36	35	65	37	28	44	32	25	472
Twenty-second	39	31	42	46	27	29	54	38	22	39	35	27	429
Twenty-third	30	30	25	32	22	39	55	31	31	32	22	24	373
Twenty-fourth	31	41	40	31	20	29	49	28	19	35	23	36	382
Totals	889	900	1,026	974	781	819	1,186	959	797	800	782	787	10,700

TABLE No. XIV.

Nativity of Decedents for the Year 1900.

Nativity.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
United States, white males.	246	271	311	274	229	236	394	291	238	275	246	238	3,249
do do do females.	248	226	282	264	203	225	375	307	240	216	212	227	3,025
Foreign, males	101	83	79	84	68	65	73	72	63	69	69	80	906
do females	92	74	83	104	70	62	75	83	56	68	64	57	888
Colored, males	91	111	140	123	82	105	136	97	99	87	92	79	1,242
do females	108	130	131	117	126	124	132	105	99	85	94	103	1,354
Unknown, white males	3	2	.....	7	.....	1	1	3	1	.....	4	2	24
do do females	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
do colored males	.....	3	.....	.....	1	1	.....	1	1	.....	1	1	9
do do females	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	2
Total	889	900	1,026	974	781	819	1,186	959	797	800	782	787	10,700

Marriage Licenses Issued During the Year 1900.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Marriage licenses for	387	350	264	477	325	560	280	308	356	557	518	436	4,818

TABLE No. XV.

DEATHS ACCORDING TO AGES DURING THE YEAR 1900.

AGES.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Under 1 year.....	170	165	204	167	141	237	505	280	238	215	153	152	2,627
Between 1 and 2 years...	31	67	54	39	26	52	70	59	47	32	27	21	525
Between 2 and 5 years...	67	66	63	67	44	32	27	26	35	39	33	44	543
Total under 5 years....	268	298	321	273	211	321	602	365	320	286	213	217	3,695
Between 5 and 10 years..	28	26	33	28	37	17	25	26	29	19	37	20	325
Between 10 and 15 years.	13	14	15	13	17	10	16	19	16	14	16	12	175
Between 15 and 20 years.	17	27	20	38	27	24	38	34	19	25	24	15	308
Between 20 and 30 years.	81	74	84	79	75	63	67	80	64	81	77	91	916
Between 30 and 40 years	71	85	82	93	87	70	80	74	62	84	88	71	947
Between 40 and 50 years.	79	95	92	87	65	87	80	80	65	60	84	78	952
Between 50 and 60 years.	84	87	91	100	82	68	64	89	61	83	67	83	959
Between 60 and 70 years.	119	96	120	125	69	71	93	83	69	75	83	81	1,084
Between 70 and 80 years.	79	68	100	97	70	60	73	66	62	50	62	73	860
Between 80 and 90 years.	47	29	56	34	37	25	38	39	27	15	27	33	407
Between 90 and 110 years	3	1	12	7	4	3	10	3	3	7	4	13	70
Unknown age.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	2
Totals.....	889	900	1,026	974	781	819	1,186	959	797	800	782	787	10,700

TABLE No. XVI.

STILL BIRTHS REPORTED FOR THE YEAR 1900.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
White—Males	22	22	19	24	16	16	26	16	28	19	22	15	245
White—Females	21	22	11	27	16	15	23	15	18	17	16	13	214
Colored—Males	8	8	12	12	12	12	11	4	13	11	10	6	119
Colored—Females	13	9	3	13	9	7	12	7	8	6	11	6	104
Total	64	61	45	76	53	50	72	42	67	53	59	40	682

TABLE No. XVII.

SALARIES—HEALTH DEPARTMENT, FOR YEAR 1900.

		Dr.			*Cr.*	
To voucher No.	1	$3,581	53	By appropriation	$45,182	00
" " "	39	3,187	71			
" " "	71	4,960	93			
" " "	118	3,177	66			
" " "	147	3,765	60			
" " "	165	3,701	83			
" " "	201	3,704	21			
" " "	256	3,718	83			
" " "	271	3,718	87			
" " "	310	3,718	87			
" " "	339	3,731	72			
" " "	361	3,718	83			
" " "	394	448	60			
To unexpended balance		1	61			
		$45,182	00		$45,182	00

TABLE No. XVIII.

GENERAL HEALTH ACCOUNT FOR THE YEAR 1900—APPROPRIATION $12,970.00.

Dr.		*Cr.*	
To 365 warrants on Comptroller	$12,931 87	By antitoxin	$3,058 40
To unexpended balance	38 13	By fumigation and materials	351 23
		By subscriptions to journals	13 48
		By coffins for city dead	669 15
		By rent of 1330 Philpot street	144 00
		By publishing annual report	64 85
		By expenses of Morgue	312 88
		By expenses of laboratories	878 64
		By expenses of disinfectants	285 58
		By rental of telephones	803 39
		By vaccine virus	773 10
		By digging trenches at city cemetery	70 00
		By care of city patients	16 40
		By purchase of typewriter	110 25
		By postage	832 50
		By hire of horses and repairs to vehicles	1,520 13
		By advertising	194 24
		By car tickets	514 15
		By sundry bills	1,824 50
		By ambulance	495 00
		By unexpended balance	38 13
	$12,970 00		$12,970 00

TABLE No. XIX.

SPECIAL APPROPRIATION, $700.00—EMERGENCY ACCOUNT, 1900.

	Dr.
To 42 warrants on Comptroller	$699 48
To unexpended balance	52

	Cr.
By Mary Ambrose	$ 2 50
By A. W. Weems	35 60
By Geogre P. Thomas, Jr	22 00
By New York Clothing Company	5 00
By Henry Wagner	3 85
By C. K. Decker	9 50
By Fred. Jung	1 50
By National Casket Co	5 00
By C. H. Eisenbrandt	29 66
By John Engelhaupt	56 75
By A. W. Weems	27 75
By John Engelhaupt	32 05
By Edward Branning	4 50
By Wm. Cassidy	4 50
By J. H. Taylor	35
By J. F. Stevenson	10 50
By Edgar B. Peacock	10 50
By Chas. H. Tiepel	3 15
By W. H. Elliott	19 25
By Oehm's Acme Hall	22 00
By C. C. Waskey	16 95
By John Engelhaupt	11 46
By Chas. H. Eisenhardt	47 08
By Chas. H. Eisenhardt	15 39
By John Engelhaupt	20 20
By John L. Hitchens	2 00
By John Engelhaupt	11 35
By Theo. Eickhoff	10 50
By J. P. McComas	7 00

	$700 00

By Patrick Duff	16 00
By J. P. McComas	4 50
By Patrick Duff	4 75
By Theo. Eickhoff	13 50
By L. J. Fennelly	30 00
By Geo. R. Royston	28 75
By Theo. Eickhoff	39 25
By Patrick Duff	10 00
By Theo. Eickhoff	30 50
By Geo. R. Royston	14 75
By Hynson, Westcott & Co	20 00
By Patrick Duff	7 59
By unexpended balance	52
	$700 00

TABLE No. XX.

SALARIES—QUARANTINE HOSPITAL—1900—$10,805.00.

	Dr.		*Cr.*
To voucher No. 1	$990 00	By appropriation	$10,805 00
To voucher No. 20	859 99		
To voucher No. 29	846 84		
To voucher No. 42	688 15		
To voucher No. 52	857 67		
To voucher No. 70	862 67		
To voucher No. 84	857 67		
To voucher No. 95	858 61		
To voucher No 118	788 52		
To voucher No. 132	862 89		
To voucher No. 149	879 05		
To voucher No 161	874 05		
Unexpended balance	578 89		
	$10,805 00		$10,805 00

TABLE No. XXI.

QUARANTINE HOSPITAL ACCOUNT FOR YEAR 1900.

	Dr.		*Cr.*	
To 192 vouchers on Comptroller	$8,964	22		
Unexpended balance	15	78		
By provisions			$1,124	64
By groceries			760	86
By horse feed			344	14
By coal			257	55
By coal for "Hygeia"			683	31
By ice			198	63
By disinfectants, etc			191	51
By hospital supplies			168	50
By bedding and dry goods			144	87
By farm implements, etc			299	94
By rental of telephones			45	00
By repairs to "Hygeia"			1,123	98
By boat hire			1,319	50
By sundry expenses			1,857	59
By unexpended balance			15	78
	$8,980	00	$8,980	00

TABLE No. XXII.

SPECIAL APPROPRIATION—QUARANTINE—ARTESIAN WELL.

	Dr.	1900.	*Cr.*
To appropriation	$1,725 00	July 1, Downin Well Co	$705 00
		Aug. 2, Downin Well Co	200 00
		Sept. 2, Downin Well Co	353 70
		Sept. 4, Downin Well Co	200 00
		Nov. 4, Downin Well Co	251 02
		Dec. 31, balance	15 28
	$1,725 00		$1,725 00

TABLE No. XXIII.

Statement of Appropriations to, Expenditures by, and Unexpended Balances of the Sub-Department of Health, Department of Public Safety, for the Year Ended December 31, 1900.

Appropriations.

Salaries	$43,070 00
Special appropriation by Board of Estimates	2,112 00
General health	12,970 00
Special appropriation (emergency fund)	700 00
Salaries, Quarantine Hospital	10,805 00
General expenses, Quarantine Hospital	8,980 00
Special appropriation for artesian well	1,725 00
	$80,362 00

Expenditures.

Salaries	$45,180 39
General health	12,931 87
Special appropriation (emergency fund)	699 48
Salaries, Quarantine Hospital	10,226 11
General expense, Quarantine Hospital	8,964 22
Special appropriation, artesian well	1,709 72

Unexpended Balances.

Salaries	$ 1 61
General health	38 13
Special appropriation (emergency fund)	52
Salaries, Quarantine Hospital	578 89
General expense, Quarantine Hospital	15 78
Special appropriation for artesian well	15 28
Amount paid by Harford county for care of small-pox patient	69 00
Received from sale of Antitoxin and Formaldehyde	29 08
Received from transcripts of births and deaths	369 50

TABLE No. XXIV.

TRANSCRIPTS FROM THE RECORDS OF BIRTHS AND DEATHS FOR THE YEAR ENDED DECEMBER 31, 1900.

From the Records of Deaths.

For pension claims	240
For insurance claims	286
To prove death	167
To be sent to foreign countries	15

From the Records of Births.

For pension claims	18
To be sent to foreign countries	13
Total transcripts issued	739

TABLE No. XXV.

REPORT OF INSPECTIONS OF NUISANCES MADE AND ORDERED ABATED BY HEALTH WARDENS OR VACCINE PHYSICIANS DURING 1900.

Number of alleys to be cleaned	1,079
" " " repaired	1,555
" " " paved	176
" Premises to be cleaned	238
" Vacant lots to be drained, filled and cleaned	157
" Manure pits to be constructed	101
" " " reconstructed and repaired	79
" " " cleaned	192
" Drain-pipes to be reconstructed and repaired	238
" " " cleaned	123
" " " laid	26
" Defective plumbing ordered reconstructed and repaired	93
" Yards to be cleaned	1,870
" " drained	186
" " repaired	428
" " paved	75
" Privies inspected and ordered cleaned	33,428
" " to be reconstructed	468
" " " ventilated	42
" Water-closets to be repaired and ventilated	98
" Excavating apparatuses inspected	22
" Cellars to be drained and filled	509
" " " cleaned	1,176
" Slaughter-houses inspected	54
" Stables to be reconstructed and cleaned	127
" Water-pipes and hydrants to be repaired	312
" Gutters to be repaired	281
" Rain-spouts to be reconstructed	90
" Grass and weeds to be removed from gutters	1,436
" Ice-ponds-examined and permits granted	
" " " " " refused	
" Tenements ordered cleaned and whitewashed	58
" Samples of water collected for analysis	118
" Causes of death examined	1
" Steamships examined	
" Mattresses destroyed	1

Number of	Scow-loads of refuse, etc., removed from steamships and destroyed	
"	Sweat-shops examined	64
"	Complaints examined and no nuisance found to exist	568
"	Miscellaneous and extra examinations made	27,248
"	Premises disinfected	10
"	Bacteriological cultures made	907
"	Schools examined	33
"	Meat inspected	6
"	Pounds of meat condemned	
"	Inspections of cow stables	25
"	Bakeries ordered cleaned	4
"	Milk inspections made	1
"	Gallons of milk condemned	
"	Legal proceedings instituted for non-compliance with notices	220

CONTAGIOUS DISEASES INSPECTED.

Number of	cases of	diphtheria	2,421
"	"	Scarlatina	623
"	"	Membranous croup	99
"	"	Whooping cough	314
"	"	Mumps	362
"	"	Chicken-pox	187
"	"	Typhoid fever	592
"	"	Varioloid	6
"	"	Yellow fever	
"	"	Measles	2,119
"	"	Cerebro-spinal meningitis	1
"	"	Tuberculosis	255
"	"	Ophthalmia	26
"	vaccinations		9,023
"	certificates of vaccination issued		4,366
"	units of antitoxine injected		810,000

REPORT OF THE CHEMIST.

REPORT UPON THE CHEMICAL LABORATORY OF THE HEALTH DEPARTMENT FOR THE FISCAL YEAR ENDING DECEMBER 31, 1900.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—Herewith I respectfully submit my report upon the Chemical Laboratory of the Health Department for the year 1900, being the fifth year of its existence.

MILK.

Work Accomplished.

During 1900 the two milk inspectors, under the supervision of your Chemist, examined 31,803 lots of milk (see Table No. I), aggregating 1,166,866 gallons, of which 1,969 lots, with a total of 11,226 gallons, were destroyed.

Again, as in my reports for the years 1898 and 1899, I beg to call your attention to the fact that the 1,166,866 gallons of milk examined figure less than 10 per cent. of the total amount of milk consumed within the city limits. The territory over which the two inspectors have to travel during the performance of their work is a very large one, and until our force of inspectors is increased, 90 per cent. or more of the amount of milk consumed by the city must escape our control.

Quality of Milk.

During 1900 1,969 lots of adulterated milk, summing up 11,226 gallons, were condemned and spilled, amounting to nearly 1 per cent. of the total milk examanined (1,166,866 gallons).

During 1899 the percentage of spills amounted to only about ½ per cent. Yet it is gratifying to state that on the whole

there has been a marked improvement regarding the quality of milk served to the public during 1900, as compared with 1899. To explain this seeming discrepancy, I beg to say that I have in former reports mentioned the advisability of raising the legal standard of milk as prescribed by city ordinance (12 per cent. of total solids and 3 per cent. of butter fat) to 13 per cent. of total solids and 4 per cent. of butter fat. The majority of milk dealers and shippers are familiar with the lactometer, and those intending to cheat the public can by partly skimming and then watering the milk manipulate their product in such a way as to maintain a specific gravity of not less than 1,029, and keep the total solids and butter fat slightly over 12 per cent. and 3 per cent., respectively. During 1900 we have drawn the line a little closer and paid more attention to such offenders.

What we have a right to expect, if the pure and unadulterated article is delivered into our households, is illustrated in Table No. II, giving the results of analyses of forty-eight samples of pure milk copied out of our books.

Impure and Adulterated Milk.

The same course has been pursued as in former years. As usual the principal adulteration consists in the adding of water. The many preservatives formerly used during the hot season have almost entirely given way to the use of formaldehyde (freezine). It requires only a few drops to the gallon to keep milk sweet for several days, and whether the use of such a small amount is injurious, even to infants, has been denied by English and German authorities on the subject.

Microscopic and Bacteriological Examination.

The usual tests were made for the microscopic and bacteriological examination of milk. Milk carrying an abnormal amount of pus was carefully looked after. The bacillus tuberculosis has not been found present in any one of the large number of samples examined.

Arrests.

No arrests of offenders against the milk laws were made during 1900. Our former experiences, in which the accused were promptly pronounced "not guilty" before a police justice, have prevented us from prosecuting offending milk dealers to a greater extent than the prompt spilling of the milk.

Pumps, Wells and Springs.

Table No. V. contains a full list of the chemical analyses and the condition of water from pumps, wells and springs examined during 1900.

MISCELLANEOUS WORK.

In table No. IV. you will find the total number of analyses and examinations made at the Chemical Laboratory during 1900, comprising one thousand one hundred and nine milk examinations, six hundred and ninety-one water examinations, and three hundred and twenty-five examinations of a miscellaneous character. A large number of examinations were made of water from cellars of houses, cess-pools, ponds, etc., brought to me by the sanitary inspectors of the various wards. Among other investigations of a miscellaneous character were sausage (for artificial coloring matter), meats, fish, butter, oleomargarine and food products in general. The formaldehyde used by the Department for disinfecting purposes was regularly analyzed for the required strength. The substituting and selling of oleomargarine in place and under the name of butter is practiced to a considerable extent, especially in the poorer districts of the city, and in order to check this fraud upon the people your chemist instructed the inspectors to personally ask for, purchase and pay for, "butter," at a number of stores in the southeastern section of the city.

The supposed butter was in each case, upon chemical analysis, found to be oleomargarine pure and simple. Warrants were duly served upon the offenders, and the cases prosecuted

before a justice of the peace. In each case, to my utter surprise, a judgment of "not guilty" was promptly rendered.

I am indebted to Mr. R. Harry Thomas, who has been associated with me at the laboratory since last June, for his valuable assistance.

Thanking you for the kind treatment and the assistance accorded me in the performance of my duty, I remain,

Yours very respectfully,

G. W. LEHMANN,
Chemist of the Health Department.

TABLES.

TABLE No. 1.

Total Amount of Milk Examined and Spilled.

1900.	Examined.		Spilled.	
	Lots.	Gallons.	Lots.	Gallons.
January	3,012	101,894	275	1,557
February	2,527	86,903	126	662
March	2,988	110,459	213	1,295
April	2,751	101,406	237	1,444
May	2,886	106,347	222	1,232
June	2,871	105,264	177	1,025
July	2,525	91,211	184	943
August	2,444	90,855	147	855
September	2,425	92,758	150	788
October	3,065	117,881	179	1,131
November	1,787	66,756	27	128
December	2,522	95,132	32	166
	31,803	1,166,866	1,969	11,226

TABLE No. 2.

Analyses of 48 Samples of Milk from Railroad Stations and Delivery Wagons Considered Good, Unadulterated Milk.

1900.	Specific Gravity.	Total Solids.	Fat.	1900.	Specific Gravity.	Total Solids.	Fat.
January.....	1.0300	15.27	5 05	July	1.0300	14.05	4.16
"	1.0320	15.44	4.51	"	1.0295	13.29	4.10
"	1.0305	14.98	5.15	"	1.0332	14.09	3.95
"	1.0290	13.83	3.70	"	1.0330	13.84	4.00
February ...	1.0350	14.50	5.20	August.....	1.0295	14.82	5.60
" ..	1.0351	12.13	3.15	"	1.0330	14.90	5.65
" ...	1.0320	14.60	4.55	"	1.0320	13.80	4.60
" ...	1.0305	15.19	4.97	"	1.0305	14.14	4.35
March	1.0305	14.45	4.15	September	1.0340	13.99	4.60
"	1.0350	15.05	4.95	"	1.0285	12.22	4.30
"	1.0330	14.53	4.42	"	1.0325	12.29	3.50
"	1.0320	15.06	4.75	"	1.0325	14.38	5.00
April	1.0320	15.15	4.75	October.....	1.0335	14.84	5.05
"	1.0335	12.71	3.90	" ...	1.0320	13.84	5.40
"	1.0295	14.96	6.15	"	1.0335	13.95	5.40
"	1.0310	12.94	3.74	"	1 0320	12.65	4.30
May.....	1.0325	14.64	4.65	November.	1.0325	12.76	4.00
"	1.0318	13.82	4.45	" ..	1.0300	12.42	5.00
"	1.0305	15.12	5.06	" ..	1.0350	12.74	4.80
"	1.0310	11.86	3.41	" ..	1.0280	12.95	4.50
June	1.0325	14.64	4.29	December.	1.0334	14.61	4.82
"	1.0340	13.37	5.02	" .	1.0331	13.95	4.53
"	1.0340	13.36	5.04	" .	1.0325	14.09	4.08
"	1.0341	14.14	4.74	" .	1.0336	14.14	4.85

TABLE 3.

Monthly Averages, Analyses City Water Supply. Figures Expressed in Parts Per Million.

1900.	Total Solids.	Volatile Solids.	Ignited Solids.	Chlorine.	Free Ammonia	Albumenoid Ammonia.	Nitrates.	Nitrates.	Required Oxygen.
January	105	41	64	5.20	0.03	0.09	0.31	Traces.	1.16
February	88	31	57	4.95	0.01	0 03	0.19	Traces.	0.80
March.	109	51	58	7.00	0.04	0 07	0.58	Traces.	0.84
April....	98	41	57	6.95	0 01	0.06	0.28	Traces.	1.03
May.....	90	60	30	11.24	Traces.	0.05	0.00	0.00	0.68
June.....	84	22	62	10.10	0.03	0.07	0.00	Traces.	0 94
July.	81	26	55	8.15	0.02	0.06	0.09	Traces.	1.15
August.	92	35	57	5.55	0.02	0.09	0.22	Traces.	0.68
September ..	86	34	52	6.13	0.00	0.07	0.15	0.00	0.59
October.....	110	60	50	9.85	0.02	0.09	Traces.	0.00	0.92
November...	106	59	47	9.70	0.03	0.10	0.08	Traces.	1.10
December....	90	60	30	9.40	0.04	0.07	....	Traces.	0.98

TABLE No. 4.

Total Number of Examinations and Analyses of all Kinds Made at the Chemical Laboratory During 1900.

1900.	Milk.	Water.	Miscellaneous.
January	98	40	45
February	68	62	44
March	121	78	11
April	134	74	20
May	125	67	26
June	89	54	22
July	116	70	21
August	90	72	27
September	95	50	19
October	109	49	29
November	21	29	34
December	43	46	27
	1,109	691	325

TABLE No. 5—Water Analyses. Chemical Laboratory.

Figures Expressed in Parts per Million.

Pumps, Wells, Springs.	Date.	Laboratory Number.	Total Solids.	Volatile Solids.	Mineral Solids.	Chlorine.	Free Ammonia.	Albumanoid Ammonia.	Nitrates.	Nitrites.	Condition.
	1900.										
Pump—2508 Mosher st., Ext	March 12	381	301	204	61	59.20	.....	.....	0.90	.....	Suspicious.
2516-18 " "	" 12	382	684	460	224	143.0	0.06	0.14	13.30	.....	Bad.
2534 " "	" 12	383	562	350	212	82.50	0.05	0.09	12.60	.....	Bad.
Mrs. Ray, Riggs ave., Ext	" 12	384	151	99	52	29.0	.....	.....	0.61	.....	Good.
Mrs. C. Flanagan, Riggs ave.	" 12	385	160	41	119	33.0	....	0.09	0.53	.....	Suspicious.
1007 2d st., N.W. Annex	" 12	386	160	76	84	23.60	.....	.....	.....	.....	Fairly Good
Bull Mansion, Whitehurst	" 29	387	261	192	69	50.26	.....	0.09	0.54	.....	Fair.
2402 Riggs ave	" 31	388	336	100	236	78.0	0.02	0.06	4.16	.....	Suspicious.
2542 Mosher st	" 31	389	704	541	163	165.0	traces	0.07	16.20	.....	Bad.
1 Third st., Ext	" 31	390	360	220	140	56.50	.....	.....	3.54	....	Suspicious.
5 Third ave	" 31	391	190	136	54	18.20	.....	.....	2.51	.....	Fair.
13 Third ave	" 31	392	340	190	150	55.40	.....	.....	4 21	.....	Fair.
1104 Third ave	" 31	393	130	70	60	34.20	.....	.....	.....	.....	Good.
2800 Lafayette ave	" 31	394	251	158	93	43.20	.....	.....	0.40	.....	Fair.
1022 Bloomingdale road.	" 31	395	407	271	136	75.50	.....	.....	0 78	.....	Suspicious.
Purnell, Bloomingdale road..	" 31	396	304	186	118	49.50	0.08	0.22	.....	.....	Bad
Berry, " "	" 31	397	260	110	150	19.0	.....	.....	0.65	.....	Good.
Brayshaws, Franklin road	April 25	398	326	210	116	38.16	0.06	0.09	12.40	traces.	Bad.
Williamson, " "	" 25	399	920	616	304	118.0	0.06	0.14	34.16	.....	Bad.

Pump—Tyler, Franklin road..	April	25	400	62	38	24	2.41	0.09	0.07	.....	.....	Fair.
Gerkin, " "	"	25	401	714	432	282	91.45	0.02	0.06	41.25	.....	Bad.
Cross, Riggs ave., Ext	"	27	402	572	443	129	171.0	0.07	0.14	64.25	.....	Bad.
2508 Mosher st.	"	27	403	384	313	91	64.20	.....	0.19	39.50	.....	Bad.
2534 "	"	27	404	580	382	198	91.20	0.02	0.12	40.45	.....	Bad.
Flanagan, Riggs ave., Ext	"	27	405	156	49	107	31.55	0.05	0.09	16.90	.....	Bad.
2542 Mosher st	"	27	406	719	561	158	181.	.....	0.10	44.50	.....	Bad.
Ninth and Pressbury sts	May	7	407	164	85	79	9.10	0.03	0.04	.....	.....	Good.
1022 Bloomingdale road	"	7	408	419	291	128	72.14	.....	0.06	24.60	present	Bad.
Clifton ave., Ext.	"	7	409	127	43	84	16.40	0.04	0.16	.....	present	Bad.
White, North ave., Ext.	"	7	410	284	179	105	11.14	0.06	0.08	.....	present	Bad.
Nixon, Franklin road..	"	18	411	512	336	176	63.15	0.15	0.27	14.50	present	Bad.
849 Franklin road	"	18	412	354	242	112	55 16	0.08	0.10	15.20	.....	Bad.
Busby, Franklin road.	"	18	413	734	380	354	148.50	0.35	0.55	9.10	.....	Bad.
McCormick, Franklin road	"	18	414	382	200	182	87.0	traces	0.06	0.55	.....	Fairly Good
812 Franklin road.	"	18	415	500	160	340	106.0	.....	.....	0.09	present	Bad.
Sharett's, Easter lane.	June	5	417	216	138	78	59.55	.....	.....	15.45	trace	Bad.
Lutz, "	"	5	418	544	282	262	1.80	0.05	0.11	12.0	.....	Bad.
Workinger, "	"	5	419	234	160	74	83.50	.....	.....	11.0	trace	Bad.
Quick, "	"	5	420	566	354	212	153.0	0 04	0.07	14.0	present	Bad.
Mitchell, Liberty road	"	5	421	206	160	46	125.0	.....	.....	13.0	.....	Suspicious.
2800 Lafayette ave	"	5	422	242	172	70	104.50	trace	0.07	16.24	present	Bad.
Quarantine.	"	19	423	142	81	61	11.0	trace	0.02	.....	.....	Good.
Spring— "	"	19	424	142	81	61	11.0	trace	0.02	.....	.....	Good.
Pump—Hartman, Easter lane.	"	19	425	286	172	114	106.60	.....	.....	6.00	trace	Bad.
Abraham's, "	"	19	426	372	198	174	85.20	.....	.....	9.0	.....	Suspicious.
No. 1 Purnell.	"	19	429	360	174	186	114.60	0.30	0.70	14.0	.....	Bad.
No. 2 Purnell.	"	25	430	332	166	166	108.0	0.23	0.45	12.0	.....	Bad.
127 Brady ave., Waverly.	July	12	432	.....	.....	.....	215.70	.....	0.12	3.00	present	Bad.
Collier, Reisterstown road.	"	16	433	552	278	274	139.90	0.02	0.21	3.00	.....	Bad.
Reed, " "	"	16	434	202	76	126	31.0	.....	0.02	2.00	.....	Fair.
Schaeffer, " "	"	16	435	276	102	174	57.60	.....	0.10	5.00	.....	Suspicious.

TABLE No. 5—Concluded.

Pumps, Wells, Springs.	Date.	Laboratory Number.	Total Solids.	Volatile Solids.	Mineral Solids.	Chlorine.	Free Ammonia.	Albumenoid Ammonia.	Nitrates.	Nitrites.	Conditions.
Pump—Fix, Reisterstown road	July 18	436	340	148	192	91.00	0.03	0.19	6.00	.....	Bad.
Disney, " "	" 18	437	370	180	190	103.50	.....	0.09	6.00	.....	Bad
Carey, Clifton ave	" 19	438	104	39	65	15.60	.....	.....	.....	.....	Good.
Penhurst and Eldorado aves.	" 19	439	164	38	126	11.90	.....	0.02	.....	.....	Good.
2852 Penna. ave	" 19	440	108	72	36	17.80	.....	0.03	.....	.....	Good.
Murphy, Irvington	" 21	441	164	102	62	26.50	.....	.....	9.00	.....	Good.
Odenwald, "	" 21	442	132	80	52	27.80	.....	0.03	6.00	.....	Fair.
Keefer's spring, Irvington	" 21	443	144	58	86	20.00	.....	0.05	.....	.....	Good.
Well—13 S. Frederick st	" 24	444	442	242	200	219.10	12.80	.....	11.00	.....	Bad.
Spring—Fresh Air Society	" 24	445	100	56	44	21.50	.....	.....	.....	.....	Good.
Pump—Phillips, Hillen road	Aug. 1	448	243	168	75	77.80	.....	0.15	11.00	.....	Bad.
121 Brady ave	" 28	450	380	291	89	19.40	Present.	.....	7.00	.....	Bad.
Yeakle, N. Walbrook	" 31	451	.....	.....	.....	23.00	.....	.....	.....	.....	Good.
Gwynn Oak	Sept. 10	452	330	240	90	2.30	0 50	1.20	.....	.....	Bad.
Campbell, Harford rd—house	" 10	454	64	40	24	20.00	0.00	.....	0.50	.....	Fairly good.
" " stable	" 10	455	.....	.....	.....	43 00	.....	0.04	4.00	Present.	Bad.
Well—Quarantine, No. 1	Oct. 16	456	30	14	16	8.00	0.50	0.60	.....	.....	Good.
" No. 2	" 16	457	30	12	18	7.80	0.04	0.05	.....	.....	Good.
Pump—Bosworth, Hoffman lane	Nov. 17	459	142	89	53	13.50	0.14	0.29	.....	.....	Bad.

REPORT

—UPON THE—

BACTERIOLOGIC LABORATORY.

Report of the Bacteriologic Laboratory.

BALTIMORE, January 1, 1901.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—I hereby respectfully submit my report upon the Bacteriologic Laboratory of the Health Department for the year ending December 31, 1900.

BACTERIOLOGIC EXAMINATION OF THE WATER SUPPLY.

The water examinations have principally consisted in analyses of specimens from the various police districts of the city, and from a large number of city pumps and wells. The number of bacteria in one cubic centimeter (15 drops) is first determined, and the tests for the presence of Bacillus coli communis are then made in order to detect the presence of intestinal pollution. A consideration of Table No. 1 will show the results in detail. It will be seen that these examinations abruptly stop on November 17. This is due to the fact that the Department wagon was halted on its way through Druid Hill Park when collecting water samples. Since most of the pumps yet to be examined are most easily reached by this route, I would respectfully request that proper arrangements be made with the Park Board, in order that this important work may be continued.

TABLE No. 1.

TAP, STREAM OR WELL.	Laboratory No.	Date of Examination.	Colonies Per C. C.	Colon Bacillus Present.	Condition.
City Water--Southwestern District	371	Jan. 13.	246	None in 1 or 50 c. c. s.	Good.
Laboratory tap	372	Jan. 10.	304	None in 1 or 50 c. c. s.	Good.
Southern Police District	373	Jan. 13.	336	None in 1 or 50 c. c. s.	Good.
Western District	374	Jan. 13.	209	None in 1 c. c.	Good.
Central Annex District	375	Jan. 29.	159	None in 1 or 50 c. c. s.	Good.
Central District, laboratory tap	376	Feb. 1.	222	Present in 50 c. c. s.	Bad.
Eastern District	377	Feb. 1.	378	Present in 1 c. c.	Bad.
Northeastern District	378	Feb. 1.	335	None in 1 or 50 c. c. s.	Good.
Northwestern District	379	Feb. 1.	439	Suspicious in 50 c. c. s.	Suspicious.
Southwestern District	380	Feb. 6.	1,908	None in 1 or 50 c. c. s.	Suspicious, as bacteria is rather high.
Pumps--2508 Mosher street extended	381	Mar. 12.	618	None in 1 or 5 c. c. s.	Fair.
2516-18 Mosher street extended	382	Mar. 12.	954	Present in 5 c. c. s.	Bad.
2534 Mosher street extended	383	Mar. 12.	828	None in 1 or 5 c. c. s.	Suspicious.
Mrs. Ray, Riggs avenue extended	384	Mar. 12.	366	None in 1 or 5 c. c. s.	Good.
Mrs. Flanagan, Riggs avenue extended	385	Mar. 12.	444	None in 1 or 5 c. c. s.	Good.
1007 Second street, Northwest Annex	386	Mar. 12.	822	None in 1 or 5 c. c. s.	Fair.
2402 Riggs avenue	388	Mar. 31.	.....	Present in 50 c. c. s.	Bad.
2542 Mosher street extended	389	Mar. 31.	Not over 300	None in 1 or 50 c. c. s.	Good.

Mrs. L. B. Pernell, Third street extended..	390	Mar. 31.	.....	Present in 50 c. c. s.....	Bad.
5 Third avenue extended.....	391	Mar. 31.	.....	Present in 1 c. c.....	Bad.
13 Third avenue extended.....	392	Mar. 31.	.....	....	Cannot classify.
1104 Third avenue extended.....	393	Mar. 31.	.....	....	Cannot classify.
2800 Lafayette avenue.....	394	Mar. 31.	134	Present in 50 c. c. s.....	Bad.
1022 Bloomingdale road.....	395	Mar. 31.	510	Suspicious in 50 c. c. s.	Suspicious.
Mrs. L. B. Purnell, Bloomingdale road.....	396	Mar. 31.	315	....	Fair.
Q. L. Berry, Bloomingdale road.....	397	Mar. 31.	510	None in 1 or 50 c. c. s.	Fair.
S. L. Brayshaw, Franklin road.....	398	April 25.	125	None in 1 or 50 c. c. s.	Good.
Wm. Williamson, Franklin road.....	399	April 25.	40	None in 1 or 50 c. c. s.	Good.
E. B. Tyler, Franklin road.....	400	April 25.	726	None in 1 or 50 c. c. s.	Fair.
H. Gerkins, Franklin road.....	401	April 25.	4,680	None in 1 or 50 c. c. s.	Bad.
James Cross, Riggs avenue extended.....	402	April 27.	11,520	Present in 1 c. c.....	Very bad.
2508 Mosher street.....	403	April 27	224	None in 1 or 50 c. c. s.	Good.
2534 Mosher street.....	404	April 27.	3,060	Present in 1 c. c.....	Bad.
C. Flanigan, Riggs avenue extended.....	405	April 27.	239	....	Good.
2542 Mosher street.....	406	April 27.	732	None in 1 or 50 c. c. s.	Suspicious.
Ninth and Pressbury street.....	407	May 7.	5,760	None in 1 or 50 c. c. s.	Bad.
1022 Bloomingdale road.....	408	May 7.	643	None in 1 or 50 c. c. s.	Fair.
Mrs. J. Carey, Clifton avenue extended	409	May 7.	7,620	Present in 50 c. c. s.....	Bad.
Francis White, North avenue extended.....	410	May 7.	135	Present in 50 c. c. s.....	Bad.
John Nixon, Franklin Valley Farm, Franklin road.....	411	May 18.	1,050	None in 1 or 50 c. c. s.	Bad.
849 Franklin road.....	412	May 18.	300	None in 1 or 50 c. c. s.	Fair.
James Busby, Franklin road.....	413	May 18.	570	None in 1 or 50 c. c. s.	Fair.
Mrs. Jane McCormick, Franklin road.....	414	May 18.	600	None in 1 or 50 c. c. s.	Fair.
812 Franklin road.....	415	May 18.	180	....	Bad.
Mrs. Purnell.....	416	May —.	732	None in 1 or 5 c. c. s...	Suspicious.
G. W. Sharretts, Easter lane.....	417	June 5.	606	Present in 50 c. c. s.....	Bad.
John Lutz, Easter lane.....	418	June 5.	288	Present in 50 c. c. s.....	Bad.
Wm. Workinger, Liberty road.....	419	June 5.	126	None in 1 or 50 c. c. s.	Suspicious.
Edwin Quick, Liberty road.	420	June 5.	2,700	None in 1 or 50 c. c. s.	Bad

TABLE No. 1—Continued.

Tap—Stream or Well.	Laboratory No.	Date of Examination.	Colonies Per C. C.	Colon Bacillus Present.	Condition.
Pumps—Mitchell, Liberty road	421	June 5.	22	None in 1 or 50 c. c. s.	Good.
2800 block Lafayette avenue	422	June 5.	52	Present in 50 c. c. s.	Bad.
Well—Quarantine	423	June 19.	274	None in 1 or 50 c. c. s.	Good.
Spring—Quarantine	424	June 19.	37	None in 1 or 50 c. c. s.	Good.
Pump—Harry Hartman, Eastern lane	425	June 19.	216	None in 1 or 50 c. c. s.	Good.
A. Abraham, Eastern lane	426	June 19.	288	None in 1 or 50 c. c. s.	Good.
City Water—Laboratory tap	427	June 13.	284	Present in 1 c. c.	Bad.
Laboratory tap	428	June 19.	282	None in 1 c. c.	Fair
Pump No. 1—Mrs. Purnell	429	June 22.	120	None in 1 or 50 c. c. s.	Good.
No. 2—Mrs. Purnell	430	June 22.	96	Present in 50 c. c. s.	Bad
City Water—Laboratory tap	431	July 5.	326	None in 1 or 50 c. c. s.	Bad.
Well—John Veise, Reisterstown road	432	July 16.	900	Present in 1 c. c.	Bad.
Pump—Brent Reed, Reisterstown road	433	July 16.	690	None in 1 or 50 c. c. s.	Good.
John Schaefer, Reisterstown road	434	July 16.	48	None in 1 c. c.	Good.
Philip Fix, Reisterstown road	435	July 16.	83	Present in 1 c. c.	Bad.
Rachel Disney, Reisterstown road	436	July 16.	1,440	None in 1 c. c.	Suspicious.
James Carey, Clifton avenue	437	July 19.	84	None in 1 or 50 c. c. s.	Good.
Pennhurst and Edwards aves., W. Arlington	438	July 19.	774	None in 1 or 50 c. c. s.	Good.
2852 Pennsylvania avenue	439	July 28.	216	None in 1 c. c.	Good.
M. Murphy, Irvington	440	July 21.	1,470	None in 1 c. c.	Bad.
H. Odenwall, Irvington	441	July 21.	1,041	None in 1 c. c.	Bad.
Spring—Huper's, Irvington	443	July 21.	8,100		Bad.

Artesian Well—13 South Frederick street	444	July 24.	65	None in 1 c. c.	Suspicious.
Well—J. E. Tippett, Garrison	446	July 24.	294	Present in 1 c. c.	Bad.
City Water—Laboratory tap	447	Aug. —.	831	Present in 1 c. c.	Bad.
Pump—H. Phillip, Hillen road, No. 1	448	Aug. —.	1,560	None in 1 c. c.	Suspicious.
H. Phillip, Hillen road, No. 2	449	Aug. —.	1,740	None in 1 c. c.	Suspicious.
Mrs. Rainey, 121 Brady avenue	450	Aug. —.	2,560	Present in 1 c. c.	Bad.
J. B. Yeagle, North Walbrook	451	Aug. —.	804	Present in 1 c. c.	Bad.
Gwynn Oak House Gwynn Oak	452	Sept. 10.	1,620	Present in 1 or 50 c. c. s.	Bad.
City Water—Laboratory tap	453	Sept. 10.	150	None in 1 c. c.	Good.
Pump—(House) H. T. Campbell, Harford road	454	Sept. 10.	260	None in 1 c. c.	Good.
(Stable) H. T. Campbell, Harford road	455	Sept. 10.	134	None in 1 c. c.	Good.
Well—Quarantine, No. 1	456	Oct. 12.	16	Present in 50 c. c.	Suspicious.
Quarantine, No. 2	457	Oct. 12.	128	None in 1 or 50 c. c. s.	Good.
City Water—Laboratory tap	458	Oct. 3.	390	Present in 1 or 50 c. c. s.	Bad.
Pump—E. C. Bosworth, Hoffman lane, Carroll Sta.	459	Nov. 17.	3,510	Present in 1 c. c.	Bad.

From the foregoing table it will be seen that the yearly average of bacteria in 1 cubic centimeter of the city drinking water was 421.1. These figures are taken from 16 examinations. In 68 pumps or wells 30 were found good or fair, and 30 were pronounced bad. Bacillus coli communis, a proof of intestinal pollution, was found in 6 of 15 examinations of water from the various city taps. The presence of intestinal pollution in the drinking water emphasizes the importance of purifying the city drinking water. This pollution may be partially due to the seapage from the numerous cess-pits being drawn into leaky mains. A modern sewerage system would prevent such an occurrence by stopping the pollution of the sub-soil by our 90,000 cess-pits. The presence of intestinal pollution in a large number of the drinking wells is a striking proof of the serious contamination of our sub-soil by means of the underground streams or currents of water. These, flowing through the cess-pits, convey the diluted contents of these pits into drinking wells. The presence of gross intestinal pollution has been demonstrated again and again by chemic and bacteriologic tests.

Table No. II will show the amount of routine work which has been submitted to the laboratory by the physicians of the city. The examinations for diphtheria show an increase over last year, having been 2,202 in 1899, while in 1900 they have reached 2,483. The examinations for typhoid also show a great increase, having been only 480 in 1899, while in 1900 the number stands 1,002. The inspector of throats has also taken more cultures than last year, the figures 4,210 for 1900 being in excess of 3,650 for 1899. The 274 positive cultures found in children who would otherwise be allowed to mix with the public emphasize the importance of this work. The number of cultures taken from the various schools has fallen far short of the figures of the past two years, but 23 cases have been found positive for diphtheria, and the children were removed from school until negative cultures were obtained from the throat.

TABLE No. 2.

Examinations of Specimens to Determine the Presence of Disease.

Diphtheria, positive cultures	648
" negative "	1,787
" suspicious cultures	39
" unsatisfactory cultures	9
Diphtheria, total cultures	2,483
Diphtheria, positive cultures of school children's throats	23
" negative " " " "	326
" suspicious " " " "	2
Diphtheria, total cultures of school children's throats	351
Diphtheria, positive cultures examined by throat inspector	274
" negative " " " "	3,936
Diphtheria, total cultures examined by throat inspector	4,210
Tuberculosis, positive results	310
" negative "	519
" suspicious "	3
" unsatisfactory results	2
Tuberculosis, total results	834
Typhoid fever, positive reactions	375
" " negative "	545
" " suspicious "	75
Typhoid fever, total reactions	1,002
Antitoxin, units supplied in indigent cases	2,407,500
" cases treated by Health Department	1,379
Vaccine virus, points supplied by Health Department	9,785
Water, complete examinations made	98
Examinations, miscellaneous	27

DISINFECTION.

In order to test the efficacy of the work of the disinfection corps, test cultures of the staphylococcus pyogenes aureus dried on linen have been placed in a large number of the rooms during disinfection. The disinfectors are instructed to allow the apparatus to generate the formaldehyde gas for thirty minutes for each one thousand cubic feet of air space in the room. The test culture consists of a linen strip placed in a sterile test tube, from which the cotton stopper is removed just before the fumigation. The stopper is replaced in the tube by the householder as soon as the room is opened, and the tube is sent to the Department. If the test linen causes a cloudy growth in bouillon the gas is considered as not having destroyed the germs in the room, and the disinfector must repeat his work.

THE USE OF ANTITOXIN IN THE TREATMENT OF DIPHTHERIA.

The Department has continued to give out free antitoxin to indigent cases of diphtheria, and has also furnished a large number of families with this remedy for the purpose of immunizing the healthy children in the house, who were exposed to the contagion. One thousand (1,000) units are used for immunizing purposes, as the injection of this quantity will afford artificial protection against diphtheria for about six weeks. This method of preventing the spread of diphtheria has given most gratifying results, and the Department can take a pardonable pride in the results which have been achieved under your direction. Many of the children thus protected against diphtheria live in humble, and even destitute surroundings, where isolation from the case of diphtheria cannot be thoroughly carried out. A glance at Table No. III will show, however, that out of six hundred and twenty-five cases immunized by antitoxin furnished by the Department, only three cases subsequently developed diphtheria.

The percentage of mortality in cases of diphtheria has been reduced from that of last year. In the treatment of cases, considered diphtheria by physicians, during 1899 the percentage of mortality reached 10.61, including the treatment of three hundred and eleven cases. In 1900 the mortality has only been 8.8 per cent., although six hundred and two cases of diphtheria have been injected with Department antitoxin. The usual dose is two thousand units, but this is often repeated in grave cases every twelve or twenty-four hours, until improvement takes place. Several cases have received from eight thousand to fifteen thousand units, with gratifying results. In three hundred and forty cases the diagnosis of diphtheria was confirmed by cultures, and in these cases the mortality was only 7.05 per cent. This is also an improvement over last year's record, when in two hundred and ten cases confirmed by cultures the mortality percentage was 9 per cent.

These figures can, perhaps, be explained by the fact that the physicians have learned the importance of early injections of antitoxin. The table of mortality percentages, according to the duration of the disease at the time of the injection of the antitoxin, shows the importance of early treatment, as the percentages of 4.89 and 5.85, in the first forty-eight hours of the disease, are a strong contrast to Welch's figures of 41.1 per cent. of mortality before the use of antitoxin. The average mortality for the years 1894, 1895, 1896, 1897, before the use of antitoxin in Baltimore, was 55.18 per cent., and this forms a very favorable basis of comparison for the above more satisfactory figures. Most of the deaths in the cases treated were due to the various complications mentioned in the table, such as laryngeal diphtheria, sepsis, cardiac paralysis, nephritis, and broncho-pneumonia. Before the use of antidiph-theritic serum laryngeal diphtheria was looked upon as almost necessarily fatal, but in seventy-five cases treated this year only twenty-seven died, a mortality of 36 per cent. The occurrence of fourteen cases of cardiac paralysis should

caution the physician to keep the patients from undue exertion until all danger of this accident has passed.

Many of the returns from physicians have contained enthusiastic accounts of the treatment of diphtheria with this remedy, and the Department can congratulate itself upon the results achieved in curing and preventing the spread of diphtheria by means of antitoxin.

TABLE No. 3.

Cases of Diphtheria Treated with Antitoxin Furnished by the Health Department from January 1, 1900, to December 31, 1900.

Cases.	Deaths.	Mortality.	Extent of Membrane.				Complications.					Cases Immunized.		
			Tonsils.	Tonsils and Pharynx.	Nasal.	Larynx.	Broncho-Pneumonia.	Nephritis.	Sepsis.	Paralysis.	Cardiac Paralysis.	Total,	Successful.	Diphtheria Developed
602	53	8.80	255	258	58	75	13	10	5	7	14	625	622	3

Cases in which diphtheria bacilla were found	340	Cases of laryngeal diphtheria	75
Deaths resulting	24	Deaths resulting	27
Percentage of mortality	7.05	Percentage of mortality	36.00

Mortality after use of Antitoxin, according to duration of disease at time of injection.	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Tenth.	Two weeks.	Unknown.
Cases	174	205	94	20	16	2	12	1	1	1	5
Deaths	8	12	16	2	4	1	3	1	.....	1	5
Percentage of mortality	4.59	5.85	17.02	10.	25.	50.	25.	100	.....	100	100

Mortality in cases not treated with antitoxin (Welch) ..... 42.1 per cent.
Average mortality in Baltimore for four years (1894, 1895, 1896, 1897) prior to the use of antitoxin ..... 55.18 "

Illustration Showing a Section made through the edge of the Gastric Ulcer:

The rest of the ulcer shows about the same changes, and its surface consists entirely of necrotic tissue. This tissue contains numerous diphtheria bacilli. The ulceration has only extended as far as the muscular coat, where regeneration has already begun. The hyaline degeneration of the submucous coat and the eroded blood vessel are well shown in the illustration, which also shows the necrotic tissue, and the overhanging mucous membrane.

A—Peritoneal Coat.

B—Muscular Coat.

C—Submucous coat, showing superficial necrosis, hyaline degeneration, and regeneration of the base of the ulcer.

D—Layer of fibroblasts at the base of the ulcer.

E—Hyaline degeneration of the submucous coat.

F—Layer of polymorphonuclear leucocytes invading the necrotic area.

G—Superficial layer of coagulation necrosis which contains many diphtheria bacilli.

H—Hemorrhagic area in the submucous coat.

I—Muscularis mucosae ending abruptly at the margin of the ulcer.

K—Mucous coat ending abruptly at the margin of the ulcer.

L—Artery of submucous coat showiug hyaline necrosis of the wall and infiltration with leucocytes.

M—Peptic glands in the mucous membrane.

Figure No. 1.

An Ulcer of the Stomach Due to the Diphtheria Bacillus.

PRELIMINARY REPORT.

Although the diphtheria bacillus has been known as the cause of various inflammations of the respiratory tract for some little time, yet it has but recently been described in connection with such atypical conditions as diphtheretic inflammation of the conjunctiva and the external auditory meatus. · Diphtheretic infection of wounds of the skin and diphtheretic vulvo-vaginitis have also been observed, but these rare infections are all completely described in "Osler's Practice of Medicine," or in Baginsky's article on Diphtheria in "Nothnagel's Specielle Pathologie and Therapie."

Schoedel[1] has recently reported a case of fibrinous inflammation of the gastric mucous membrane, due to the diphtheria bacillus, and as it has been my good fortune to find a gastric ulcer caused by this organism at the autopsy in a case of proven tonsilar diphtheria, I shall first refer to Schoedel's[1] article somewhat in detail.

This writer first reviews the literature, mentioning the fact that Klebs[2] and Loeffler[3] have both described cases of gastric diphtheria, in which they demonstrated their bacilli in stained sections. Wright[4] also found diphtheria bacilli in the stomach in two out of fourteen autopsies on diphtheria.

Schoedel's case was that of a child who died of faucial diphtheria without any gastric symptoms. The uvula contained a grayish membrane, but the esophagus was normal. The mucous membrane of the stomach was very red and covered here and there with a gray adherent membrane. The lymphatic structures of the intestine were swollen. A culture from the membrane made on Loeffler's blood serum showed a large number of typical diphtheria bacilli, and these were also demonstrated in stained sections. This writer also found virulent diphtheria bacilli in the stomach of two children, dead from diphtheria, and in one of eight cases he was

able to demonstrate the bacillus in cultures from the feces by means of its typical bipolar stain.

Schoedel thinks that the acid gastric juice can usually destroy a small number of diphtheria when they are swallowed, and that primary diphtheria of the stomach is thus well nigh impossible. In cases of widespread diphtheria, however, when the gastric acid is lessened in amount, large numbers of diphtheria bacilli are apt to bring about some local lesion of the mucous membrane of the stomach, when once swallowed. Although these cases are not usually detected at the bedside, their existence should not be lost sight of by the clinician.

The case which I desire to describe occurred in November, 1900, and as the young man was picked up off the streets suffering from well-marked diphtheria and housed in a vacant room in the Health Department, the clinical history is necessarily meager. All that could be obtained, however, was recorded, and I am indebted to Dr. C. Hampson Jones, Assistant Commissioner of Health, for his clinical report upon the case.

CLINICAL REPORT.

The patient was found on the streets and was referred to the Department of Health for treatment, owing to the fact that there is no infectious hospital in the city.

Cultures taken from the throat on two separate occasions showed the presence of diphtheria bacilli. A cot was provided for the patient in a vacant room and a nurse was placed on duty.

The fever remained high for several days, and the membrane gradually disappeared from the tonsils, as the patient received 10,000 units of antitoxin in about four days. About the sixth day of treatment, and when the membrane had almost disappeared from the throat, the temperature fell, and even became subnormal. The patient also complained of pain and hyperaesthesia in the epigastric region, and died

about ten days after being admitted for treatment at the Health Department. It was impossible to find out how long the patient had suffered from diphtheria before he was seen at the Health Office.

REPORT UPON AUTOPSY.

The autopsy was performed by Prof. N. G. Keirle, Medical Examiner, who has kindly allowed me to use his notes.

Post-mortem held at the morgue on November 18, 1900. R— S—. Age twenty-three years. Ante-mortem statement. History of epilepsy. Autopsy record. Inspection. Yellow pseudo-membrame on fauces, velum and right tonsil.

Brain hyperemia and edema. Pia thickened and adherent to corpus callosum, which it tears on removal.

Lungs hyperemic and ooze freely a frothy blood-stained serum. The lower lobe of the right lung is solidified. This solidification was not exactly that of lobar pneumonia, but consisted of large solidified areas, separated by a looser edematous tissue in places almost normal in appearance. The pleura was smooth.

Heart—normal. Hemoglobin staining of the intima of the aorta and pulmonary arteries.

Liver—fatty, and kidneys coarse, thick and yellow.

Cortex shows cloudy swelling.

Stomach—This shows an ulcer two and a half c. m. by one c. m. near the pylorus in the most dependent portion of the greater curvature of the stomach. It is covered with a dark yellow membrane, in places almost black. The surface is necrotic beneath. The rest of the mucous membrane of the stomach was normal in appearance, and the intestines were also normal.

Cause of death—Septicemia of diphtheric origin.

HISTOLOGIC DESCRIPTION.

Before describing the interesting changes which were found in the stomach, a brief report upon the changes in the various other tissues and viscera will be given.

The right tonsil. The right tonsil when stained by hematoxylin and eosin shows a well-marked dilitation and congestion of the numerous blood spaces present throughout the organ. These are packed full of red blood corpuscles, and are often dilated to the size of a small vein. They are very numerous, and are usually simply surrounded by a single layer of endothelial cells. The normal stratified epithelium has disappeared over a large portion of the surface of the tonsil, and this loss of substance ends rather abruptly at one side of the section in normal epithelium. The epithelial cells are simply replaced by a thin band of connective tissue containing many round, oval or spindle-shaped newly formed connective tissue cells. There are few, if any, pus cells and no fibrin present, and beneath this newly formed tissue the lymphoid masses of the normal tonsil can be seen. The entire appearance is that of healing inflammation of the surface of the tonsil.

On staining the tonsil by Weigert's bacterial stain a moderate number of foci of bacteria can be demonstrated on the surface. These consist both of bacilli and cocci. These cocci probably are the staphylococcus pyogenes aureus, and they must have entered the circulation from this area, as a few colonies of a similar organism were found in the spleen and blood of the heart by cultures on blood serum. The bacilli are specimens of diphtheria bacilli, as demonstrated by cultures. Stained sections of the other tonsil showed nothing of interest.

OTHER VISCERA.

There is a well-marked, cloudy swelling of the liver present, but no other changes are noted in this organ. The kidney shows pronounced congestion of the capillaries, both between the tubes and in the glomeruli of the capillaries, and a few hyaline and granular casts are present in the tubules. The spleen shows slight congestion, and the splenic spaces are distended by proliferated endothelial cells. The heart muscle and brain show nothing unusual. No bacteria could be stained in any of these organs.

LUNGS.

Sections taken from the more solid areas mentioned in connection with the lung showed the following condition:

The small blood vessels and veins show well-marked congestion, and the air cells are usually filled with an edematous fluid often containing many pus cells. In some areas the pus cells entirely fill up the air sacs, causing an appearance similar to that seen in the stage of gray hepitization in lobar pneumonia. The bronchi are normal, and there is no fibrin present. In specimens stained by Weigert's method a moderate number of diphtheria bacilli can be seen both in the edematous fluid, and in the more densely packed masses of pus cells. Some of these bacilli are within the protoplasm of the neutrophilic leucocytes. There are also present a large number of short chains of streptococci, which were not detected in the cultures from the lung.

STOMACH.

The ulcer of the stomach mentioned in the account of the autopsy consists of an extensive mass of coagulation necrosis, which has entirely replaced the mucous membrane. This necrotic area extends well down into the sub-mucosa, and laterally it has undermined the mucous membrane. This overhangs the necrotic area on either side. Beyond the necrotic material, and limiting the extension of the lesion in the submucosa on either side of the ulcer, the tissue has undergone hyaline degeneration, only a few strips of connective tissue having still retained their nuclei. Portions of this hyaline tissue are dotted with small irregular hemorrhages. This thin strip of hyaline degeneration and hemorrhage extends from the sides to the bottom of the ulcer, forming its base, and separating the ulcer from the normal muscular coat beneath. That portion of the base just adjacent to the normal muscle is richly infiltrated with newly-formed connective tissue cells of various sizes and shapes, indicating the beginning of regeneration at the base of the ulcer. The base of the coagulation necrosis in

the ulcer contains a moderate number of pus cells. On applying Weigert's fibrin stain no fibrin could be demonstrated in the sections.

BACTERIAL STAINS.

When the sections of the ulcer are stained for bacteria by Weigert's method, a remarkable appearance is presented. It might be remarked in passing that these sections were first stained by hematoxylin and then by eosin, according to the usual method, and after washing out the excess of eosin in water the sections are mounted on a slide and stained with gentian violet. The other well-known manipulations of Weigert's bacterial stain are then applied and the section is mounted in balsam. This triple stain differentiates all of the histological features in a satisfactory manner, while the bacteria which stain by Gram's method are clearly shown.

The diphtheria bacilli in the stained sections are limited to the necrotic material, and are more numerous on the surface of the ulcer. They are irregularly distributed throughout the entire area of necrosis, but are so densely packed together in a meshwork on the surface as to render individual inspection of bacilli impossible. Many of these organisms are very long, and some are spiral shaped. They are about the width of the diphtheria bacillus, however, and may be long forms. Most of the bacilli present the usual appearance of diphtheria bacilli in cultures, but there are some rather large square-ended organisms about the size of an anthrax bacillus, which may be unknown organisms which failed to grow in the culture from the ulcer. Even under the low power of the microscope the masses of bacilli are quite apparent on the surface, as homogenious, or scattered blue foci. On examining the border of contact between the necrosis and the thin line of pus cells, the abrupt ending of the bacilli just at the line of contact with the neutrophilic leucocytes might well answer to the fanciful description of two armies just about to engage in a battle.

Just a few bacilli can be found on the extreme edge of the line of pus cells, and only here and there can one be found within the protoplasm of the leucocytes.

BACTERIOLOGIC EXAMINATION.

The bacillus isolated from the right tonsil was subjected to the following tests:

A cover-slip from a pure culture on blood serum was stained by Loeffler's methylene blue, and the bipolar, or interrupted staining, was very apparent. A pure culture was obtained, and inoculated into 1 per cent. lactose bouillon. This was acidulated in 24 hours. Gelatin was not liquefied, and the organism was not motile.

Cultures from the ulcer of the stomach and the lungs also contained numerous diphtheria bacilli. The liver and kidney contained many colon bacilli, and the spleen and the heart showed a few colonies of staphylococcus pyogenes aureus.

*LITERATURE.

No. 1.—Munch. Med. Wochenschr, June 26th, 1900.
No. 2.—Verhandlung des II Congress f. inner. Med., 1883.
No. 3.—Central f. Bak., 1887, Bd. II, No. 4.
No. 4.—Boston Med. and Sur. Journal, October, 1894.

BACTERIOLOGICAL EXAMINATION OF PUBLIC MILK SUPPLY.

I also offer the following report of special work done by Miss E. M. White, which is preliminary to work to be taken up by this Department, viz.: the investigation of the condition of the health of all cows within the limits of the City of Baltimore. In the investigation made by Miss White as to the condition of milk served to the citizens of Baltimore, specimens were taken from three sources. First, from the milk as

*Since the above was written a pure culture of the organism has caused typical experimental diphtheria in a Guinea pig, and the diphtheria bacillus has been recovered from the seat of local inoculation.

it comes into the city from the country districts; second, the same milk after it has been put through the clarifiers; and third, milk taken from dairies that were known to be supplied with milk from cows confined to stables.

Miss White, in all these cases, determined the number of germs present from the sample of milk, counting all varieties, and she also determined the number of pus cells in one cubic centimetre of milk; also, whether the tubercle bacillus was present or not. I consider it of considerable interest to note that while the work done was limited, yet we are entitled to conclude the following:

That the milk obtained from the country district contains fewer germs and a smaller amount of pus cells and other impurities than the milk obtained from the cows confined to stables, and these latter also contained the germs of tuberculosis in three instances; secondly, that although the mechanical processes which we have examined will remove pus cells and other gross impurities, yet the bacterial counts are not greatly changed; third, that the best samples obtained were from processes involving cleanly handling and refrigeration.

The following is a copy of a portion of the report presented by Miss White and read before the Maryland Public Health Association. (Each specimen was from one cubic centimetre of milk):

The first samples collected were taken from various dairies in the city receiving milk from the country under the same condition in which they are received by the consumer.

In testing milk we first determine the number of germs or bacteria present in the sample, The pus cells are estimated by spreading the milk over a glass slide, drying it, and then staining it with a blue aniline dye. The pus cells stain blue, and can be counted under the microscope. The tubercle bacilli are stained by special dyes. The pus cell counts represent the average of pus cells in twenty microscopic fields.

The results from the dairies mentioned above are as follows:

Dairy.	Bacteria per C. C.	Pus Cells.	Tub. Bacilli.
No. 1	15,360	.0	0
No. 2	17,760	1.3	0
No. 3	29,520	1.4	0
No. 4	383,200	.95	0
No. 5	11,400	.45	0
No. 6	292,800	.2	0
No. 7	249,600	.4	0
No. 8	51,360	.0	0
No. 9	5,160	.0	0
No. 10	15,600	.15	0
No. 11	64,000	.65	0

The next examinations made were from specimens collected from dairies having either the clarification or filtration process.

Clarification is practically the separation of milk under the influence of centrifugal force into its different parts, according to the rule of specific gravity, viz, into cream, skimmed milk and milk sediment. The cream being the lighter part, is forced to the centre of the machine. This is due to the higher revolutions of the separator bowl, while the skimmed milk forms a middle ring, and the milk impurities are forced as a deposit against the outside of the separator bowl. It is quite interesting to notice that there are two distinct kinds of sediment found in a modern separator; milk slime, composed of fibrine matter of the decomposed milk cells, pus, bacteria, colustrum, etc., and a deposit of foreign matter entering the milk from outside sources.

As indicated in the foregoing, the clarifier is actually a separator, the covers of which are so constructed that the cream and skim milk actually separated during the process leaves the machine remixed from the sprout, while in the separator the cream and skim milk are carried off through separate sprouts.

Specimens were taken from tank in which the milk is weighed before entering the clarifier, after passing through

clarifier, after cooling, from bottle-filler, and from bottles in wagons as it is deliverd to the customers. Specimen from tank contained 96,000 bacteria, .05 pus cells, a few cocci and no tubercle bacilli. Specimen of milk taken before entering clarifier contained 122,400 bacteria; .15 pus cells and no tubercle bacilli. Specimen after passing through clarifier contained 135,600 bacteria; .02 pus cells and no tubercle bacilli. Specimen after cooling contained 129,600 bacteria; .1 pus cells and no tubercle bacilli. Specimen from bottle-filler contained 129,200 bacteria; .5 pus cells and no tubercle bacilli. Specimen from bottles in wagon contained 99,000 bacteria; no pus ceils and no tubercle bacilli.

Filtration of milk aims to remove the milk sediment through the assistance of the filtering material. Unfortunately a milk filter cannot be constructed powerful enough to remove all, or even a greater part, of the bacteria like the Pasteur filter, for the reason that the filtering material, if close enough to retain bacteria, would necessarily retain the milk solids also. Filters for milk are, therefore, constructed of a granulated materlal, such as crushed flint, sand, etc. The filter is suspended below the milk receptacle and connected with it in such a way that the milk has to enter the filter from below, and after passing through the filtering material leaves it from an upper outlet. Mixed milk from tank before filtration contained 31,200 bacteria; 3 pus cells, a few streptococci and cocci and no tubercle bacilli. Filtered milk before passing over cooler contained 28,440 bacteria; .35 pus cells and no tubercle bacilli. Filtered milk after passing over cooler, and five minutes after filtration, contained 160,000 bacteria; no pus cells and no tubercle bacilli. Fifteen minutes after filtration contained 25,440 bacteria; .32 pus cells. Twenty-five minutes after filtration; contained 12,000 bacteria; .25 pus cells and no tubercle bacilli. Thirty-five minutes after filtration, contained 26,640 bacteria; .15 pus cells and no tubercle bacilli. First portion of milk running through the filter, after reversal of joint (which is not used), contained 41,280 bacteria;

2.3 pus cells, streptococci in long chains, and no tubercle bacilli. Last, after reversal of joint of filter, contained 25,640 bacteria; 1.3 pus cells and no tubercle bacilli. Last few cubic centimetres passing through filter, contained 26,880 bacteria; 1.3 pus cells, and no tubercle bacilli. Filtered milk as it is delivered to customers two hours after leaving dairy contained 30,240 bacteria; 2.25 pus cells and no tubercle present.

Specimens for our next series were obtained from the wagons, small shops, dairies and stables in the city. This milk is usually obtained from "bovine infernos," just beyond the city limits; the stables and their surroundings are filthy; the cows are fed on distillery slops, and the milk is obtained in the filthiest possible manner. Sick cows are stabled along side of well ones, and sometimes the herd is never allowed a pasturage. The following results were obtained from such specimens:

Specimen.	Bacteria Colonies.	Pus Cells.	Tub. Bacilli.
No. 1	40,800	1	Present.
No. 2	62,400	.4	0
No. 3	18,900	.2	0
No. 4	44,400	2.5	Present.
No. 5	46,800	.9	0
No. 6	48,000	.5	0
No. 7	19,200	1.75	0
No. 8	43,200	.3	0
No. 9	51,600	9.5	Present.
No. 10	40,200	.1	0
No. 11	39,600	9.4	0

Respectfully submitted,

WM. ROYAL STOKES, M.D,
Bacteriologist to the Health Department.

REPORT

—OF THE—

Quarantine Hospital of the Port of Baltimore.

REPORT.

BALTIMORE, December 31st, 1900.

JAMES BOSLEY, M.D., *Commissioner of Health:*

SIR: I have the honor to herewith submit the report of the Quarantine Hospital for the year ending December 31st, 1900.

During the year one thousand and thirty-three vessels have been boarded and inspected (see Table 1), and from these vessels we have collected and paid into the City Treasury the sum of eighteen thousand two hundred and fifty-nine dollars and eighty-two cents ($18,259.82.) (See Table 2).

Table 3 shows the number of vessels with sickness on board or from infected ports detained at Quarantine for disinfection and fumigation. There were twenty-nine in all, the large majority of which were vessels bringing iron ore from Cuban ports with charters to load coal at Norfolk, where a detention of from three to five days would be inforced did they not submit to disinfection at this port. The great benefit to our shipping interest is shown by the fact that a voluntary detention of six hours, during which time we were enabled to disinfect and fumigate the vessel, subject the bedding, clothing and dunnage to 215 degrees of live steam, and give a certificate of six hours detention, which was accepted by the U. S. Marine Hospital Service, thereby saving the vessel from three to five days.

Forty patients were treated in the Hospital during the year. (See Table 4). Of these eighteen were cases of small-pox, sent by the Commissioner of Health from the city, twelve from the works of the Maryland Steel Company at Sparrows Point, Baltimore County; one from Catonsville, Baltimore County; one from Davis Landing, Harford County, and one taken off

a steamship. Five cases of Chagres fever, one case of malaria and one case of typhoid fever were taken from vessels, the last two by my predecessors, all of whom recovered.

The cost of maintaining the Quarantine Station for the year was, for salaries, $10,805, and for general expenses, $8,980, making a total of $19,795, deducting which from the revenues derived from the shipping, leaves the Station an expense of $1,525, which, I think, is a remarkable showing, taking into consideration the fact that we have not only protected the city by water, but have taken care of all the small-pox from the city as well as from the adjacent counties.

Much has been done the past year in improving the Station; the fencing, which was in very bad condition, has been renewed, an ice-pond has been constructed, the interior of the employees' house has been painted, all at very small cost, the labor being done by the employees of the place. The Department is indebted to the Inspector of Buildings for the repairing and painting of all the buildings and the construction of a new boat-house. The place now presents a neat and attractive appearance.

By the direction of the Department I have had a bath-room put on the third floor of the employees' house for the use of the women employed on the place. I have also had built an ice house, with a capacity of a hundred tons, which I think will prove a source of saving in the future. We are now waiting for our new water supply to enable us to fill the ice pond.

Under the supervision of the Engineer of the Water Department an artesian well, with a capacity of fifty gallons per minute, has been sunk. The contracts for the engine, pipe line, superstructure, and a ten thousand gallon tank has been given out, but work has not yet been started. The completion of this most important improvement will supply a long felt need, and will enable us to establish a fire service.

I desire to call your attention to the following suggestions, and to impress their importance upon you. First, the purchase of another boat of sufficient size and strength to with-

stand the seas and ice of the lower river, fitted with modern disinfecting apparatus, viz., a steam chamber, a bi-chloride tank and pump and a sulphur furnace. The boat now in use has outlived her usefulness, having been in constant service since 1884. The past year she was at the machine shop for a month, during which time another boat had to be chartered at a cost of thirty-five dollars a day, which, together with the cost of repairs, amounted to over two thousand dollars. Her boiler is in such a bad condition that it is liable to give out at any time. The large increase in the shipping of the port demands the service of a larger boat. A large part of the boarding is done at Sparrows Point, which is five miles below the station.

Second—The erection of a small incinerating furnace in connection with our disinfecting plant would enable us to cremate all persons who die from small-pox and yellow fever, which, I think, viewed in the light of modern science, is the proper method of disposing of those who die from infectious diseases.

Third—The erection also of barracks for the detention of suspects would facilitate the work of the station, and would be an improvement that would greatly aid in the disinfection of vessels with quarantible disease on board. With our increased water supply bath houses could easily be arranged in connection with the barracks.

Through the courtesy of the Engineer of the Harbor Board the tug "Baltimore" takes the place of the quarantine boat once a week, which enables us to take on coal and get provisions and ice. Otherwise we would have to hire a boat.

In conclusion I desire to thank Dr. T. W. Clark for his intelligent assistance, and to say that the employees have performed their duties in a manner deserving the highest praise.

Very respectfully,

S. O. HEISKELL, M.D.,
Quarantine Physician.

TABLES.

TABLE No. 1.

Showing the Number of Vessels Boarded and Inspected at the Quarantine for the Year Ending December 31, 1900.

Month.	Class of Vessels.					
	Steamships.	Ships.	Barks.	Brigs.	Schooners.	Total.
January	57	2	5	.....	2	66
February	59	.....	2	.....	1	62
March	73	.....	4	.....	.....	77
April	50	2	6	.....	4	62
May	81	.....	4	.....	29	114
June	82	.....	1	3	50	137
July	84	.....	4	1	28	117
August	77	.....	.....	.....	1	78
September	73	.....	2	.....	8	83
October	79	.....	7	.....	10	96
November	63	.....	1	.....	4	68
December	66	.....	4	.....	3	73
Total	845	4	40	4	140	1,033

TABLE 2.

Showing the Amount of Money Received for Quarantine Fees and Paid to the City Register for the Year ending December 31st, 1900.

MONTHS.	CLASS OF VESSELS.						
	Steamships.	Ships.	Barks.	Brigs	Schooners.	Care of Patients, and Sale of Steam Launch.	Total.
January	$1,209 96	$48 59	$33 07	.....	$ 4 79	.....	$1,296 32
February	1,231 51	.....	14 78	.....	4 22	.....	1,250 51
March	1,554 06	.....	22 22	.....	.....	.....	1,576 28
April	1,628 14	34 96	47 52	.....	16 92	.....	1,127 54
May	1,580 11	.....	26 59	.....	149 01	.....	1,755 71
June	1,611 57	.....	6 77	$37 47	189 03	.....	1,844 84
July	1,512 66	.....	29 97	13 10	145 40	$ 69 00	1,770 13
August	1,384 84	.....	.....	.....	29 53	209 25	1,623 62
September	1,337 91	.....	15 40	.....	29 67	250 00	1,632 98
October	1,485 31	.....	48 87	.....	46 65	.....	1,580 83
November	1,305 77	.....	4 59	.....	15 09	.....	1,325 45
December	1,417 24	.....	32 66	.....	12 21	13 50	1,475 61
Total	$16,659 08	$83 46	$282 41	$50 57	$642 52	$541 75	$18,259 82

TABLE No. 3.

Showing the Number and Class of Vessels Detained at Quarantine for Cleansing and Disinfection for the Year Ending December 31, 1900.

Months.	Class of Vessels.					
	Steamships.	Ships.	Barks.	Brigs.	Schooners.	Total.
January						
February						
March						
April						
May	1					1
June	4					4
July	2					2
August	5					5
September	7				1	8
October	7					7
November	2					2
December						
Total	29				1	29

TABLE No. 4.

Showing the Number of Patients Treated at the Quarantine Hospital for the Year Ending December 31, 1900.

Disease.	Remaining Over from 1899.	Received in 1900.	Discharged in 1900.	Died.	Remaining in Hospital.	Total.
Small-pox	.....	35	33	.....	2	35
Chagres fever	.....	3	3	.....	.....	3
Malarial fever	.....	1	1	.....	.....	1
Typhoid fever	.....	1	1	.....	.....	1
Total	.....	40	40	.....	2	40

REPORT

—OF THE—

INSPECTOR OF PLUMBING.

Division of Plumbing and Drainage

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—I have the honor to submit my report of the work performed by the Division of Plumbing and Drainage for the year ended December 31, 1900. The appended report will show the number of permits issued and inspections made:

Number of permits for plumbing	1,874
" " to drain additional closets	20
" inspections of plumbing and drains	2,826
" registered plumbers	467

PROSECUTIONS.

For violation of plumbing ordinances, fines	$34 80
For refusing to comply with notices, fines	11 70
	$46 50

Respectfully submitted,

JOSEPH C. MITCHELL,

Inspector of Plumbing.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—The following is the work of this office monthly:

January.....	Permits for Plumbing.		97	Inspections of Plumbing		99
February.....	"	"	137	"	"	143
March	"	"	160	"	"	165
April.....	"	"	190	"	"	138
May	"	"	192	"	"	138
June.....	"	"	126	"	"	104
July.....	"	"	128	"	"	187
August.....	"	"	388	"	"	297
September	"	"	134	"	"	140
October.....	"	"	145	"	"	121
November. ...	"	"	90	"	"	87
December.....	"	"	124	"	"	77
			1901			1696

January	Notices to Abate Nuisances.....				24
February.....	"	"	"	.....	15
March.....	"	"	"	.....	55
April.....	"	"	"	.....	39
May.....	"	"	"	.....	39
June	"	"	"	.....	12
July.....	"	"	"	.....	15
August.....	"	"	"	.....	3
September.....	"	"	"	.....	5
October	"	"	"	.....	6
November.....	"	"	"	.....	....
December.....	"	"	"	.....	3
					219

January	Inspection of Drains	49	Sanitary Inspections	75
February	" "	60	" "	50
March	" "	93	" "	154
April	" "	71	" "	94
May	" "	74	" "	84
June	" "	58	" "	114
July	" "	75	" "	126
August	" "	62	" "	104
September	" "	52	" "	123
October	" "	59	" "	69
November	" "	55	" "	66
December	" "	47	" "	47
		697		1130

Respectfully submitted,

JOSEPH C. MITCHELL,
Inspector of Plumbing.

Report of Inspector of Throats.

BALTIMORE, January 1, 1901.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—I have the honor to report to you the work done by me during the year 1900:

Number of cultures taken	4,210
Negative	3,936
Positive	274
Number of houses visited	2,142

Respectfully submitted,

ALAN W. SMITH, M.D.,
Inspector of Throats.

Food Inspections.

BALTIMORE, January 1, 1901.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—I have the honor to submit my report of the food inspections for the year ended December 31, 1900:

INSPECTIONS.

	Stores.	Markets.	Slaughter Houses.	Abbattoirs.
January	709	57	33	16
February	557	52	34	8
March	909	52	77	14
April	742	37	54	14
May	790	922	78	18
June	761	48	82	16
July	842	47	72	18
August	2,427	34	38	16
September	1,617	37	81	12
October	1,387	51	36	12
November	1,387	39	28	8
December	921	41	16	14
Total	13,049	1,417	629	166

Total inspections made, 15,261.

NUMBER OF POUNDS OF FOOD CONDEMNED IN 1900.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total Pounds
Beef		650	245	158	600	355	273	511	2,219	835	185	1,595	7,626
Pork	220		80		140	175	295	293	285	180	230	170	2,068
Lamb		55	72		22	200	305	110	145	100	284	192	1,485
Veal	65		40		28	40	40	60	85			35	393
Vegetable										30,500	2,300		32,800
Fruit							14,785	26,090	6,750		1,300	225	49,150
Poultry	406	255								1,450	2,185	594	4,884
Fish				300	35		4,390	1,280	1,700				7,705
Liver		65	80										145
Sausage	120			35									155
Totals													106,411

Respectfully submitted,

CHARLES KNELL,

FOOD INSPECTOR.

Report of the Nuisance Clerk.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—I have the honor to submit the report of the Nuisance Clerk for the year ending December 31, 1900:

1900. Months.	Number of Notices to Abate Nuisances.	Number of Notices to Clean Privies.	Number of Permits to Clean Privies.	Loads of Night Soil Sent to Foley's Wharf.	Loads of Night Soil Sent to Winan's Cove.	Loads of Night Soil Received at Both Dumps.
January	90	63	2,389	685	2,554	3,239
February	93	79	2,144	442	2,057	2,499
March	315	997	6,298	1,146	6,944	8,090
April	322	776	7,406	1,772	8,188	9,960
May			7,273	2,180	7,840	10,020
June			6,046	1,723	6,724	8,447
July			5,183	1,570	5,256	6,826
August			4,909	1,398	4,840	6,238
September			4,425	1,282	4,220	5,502
October			5,629	1,520	5,115	6,635
November			4,755	1,066	5,003	6,069
December			2,744	912	2,625	3,537
Totals	820	1,915	59,201	15,696	61,366	77,062
Totals 1899	2,985	3,624	50,168	11,333	57,107	68,440

The decrease in the number of notices issued to abate nuisances and to clean privies is owing to the fact that beginning with May 1, 1900, the Health Wardens were given the duty of sending them out.

Number of prosecutions for violation of Section 101, Article 23, of the Baltimore City Code 6

Number of school books disinfected 1,788

Respectfully submitted,

Nuisance Clerk.

Report of the Inspector of Bakeries.

BALTIMORE, January 1, 1901.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—I have the honor to report that during the year ended December 31, 1900, 1,940 bakeries were inspected, and 41 bakeries were ordered to be cleaned.

Respectfully submitted,

H. J. HAHN,
Inspector of Bakeries.

Report of the Keeper of the Morgue.

BALTIMORE, January 1, 1901.

Yearly report of the Keeper of the Morgue, showing the number of bodies received and the disposition made of them:

Total number of bodies received and cared for from January 1 to December 31, 1900	347
Total number of males	260
Total number of females	87
Total number of whites	166
Total number of blacks	181
Ages between 1 day and 1 year	2
Ages between 1 year and 10 years	9
Ages between 11 years and 20 years	12
Ages between 21 years and 30 years	77
Ages between 31 years and 40 years	78
Ages between 41 years and 50 years	50
Ages between 51 years and 60 years	63
Ages between 61 years and 70 years	28
Ages between 71 years and 80 years	18
Ages between 81 years and 90 years	10
Total number of bodies buried by the city	195
Total number of bodies buried by friends	152
Total number of bodies received from day of opening March 1, 1891, to December 31, 1900	2,361

PATRICK R. GLYNN,
Keeper of the Morgue.

Report of the Commissioner's Clerk.

BALTIMORE, January 1, 1901.

JAMES BOSLEY, M.D., *Commissioner of Health:*

DEAR SIR—I have the honor to submit herewith an account of the work done by me in 1900:

Number of letters and notices sent out	1,987
Number of notices sent to plumbers	350
Number of notices sent to physicians	1,100
Number of notices sent to public schools	16,000
Number of notices sent to parochial schools	3,200
Number of notices sent to private schools	800
Number of culture tubes delivered to 35 city stations	2,880

Respectfully submitted,

GEORGE T. LYNCH,
Commissioner's Clerk.

ANNUAL REPORT

—OF THE—

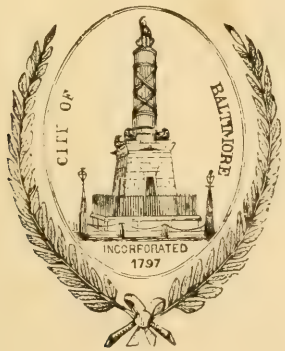
Street Cleaning Department

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900



BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

OFFICERS AND EMPLOYEES

OF THE

STREET CLEANING DEPARTMENT

FOR THE YEAR 1900.

PAUL IGLEHART,
Commissioner of Street Cleaning.

WILLIAM A. LARKINS,
General Superintendent.

FREDERICK G. WHELAN,
Chief Clerk.

W. D. NELSON THOMAS,
Assistant Clerk.

GERARD A. HAUSMANN,
Mileage Clerk and Stenographer.

District Superintendents.
JOSEPH HOPPS, First District.
JESSE F. HALL, Second District.
HENRY T. DALY, Third District.
HARRY T. KIRBY, Fourth District.
EDWARD F. CALLAHAN, Fifth District.
JOSEPH A. CAREY, Sixth District.
JOHN E. GIST, Seventh District.

LEWIS D. COOK,
Superintendent of Sweeping Machines.

WILLIAM A. POIST,
Garbage Inspector.

Superintendents of Dumps:
HUGH NOON, Dump No. 1. JOSEPH W. FUNK, Dump No. 2.

REPORT.

Department of Public Safety,

Office of the Commissioner of Street Cleaning.

City Hall, Baltimore, January 1, 1901.

To the Honorable Mayor and City Council of Baltimore:

Gentlemen—I present herewith my report for the year ending December 31, 1900, with appended tables showing the work done, the number of employees and the cost of each branch of the Department.

The total appropriation for the year was $384,489.00, and the total expenditures $382,755.41, leaving an unexpended balance of $1,733.59. The money received for the sale of street dirt, ashes and miscellaneous refuse during the year, amounted to $1,533.07.

I have introduced one or two reforms in the operation of the Department, which I consider worthy of notice. Among these was the uniforming of the force; the advantage of this innovation are numerous and obvious.

Another is the constant presence of the superintendents in their respective districts during working hours, and strict orders that they give their undivided time and attention to the work during those hours.

One reform which will very shortly be put into operation is the placing on the streets of a set of boxes to be receptacles for waste paper, fruit parings and miscellaneous waste. This system is in use in several of our large cities, and the good results therefrom are very evident.

About the greatest reform to be introduced is the new and sanitary method for the collection and disposal of garbage

and ashes, to be installed June 1st of the current year. The advantageous results of this system are too apparent to require elaboration.

In presenting to the Board of Estimates an estimate of the amount of money needed for the ensuing year, I very strongly urged the absolute necessity for a larger appropriation than was made last year, but, in spite of all my arguments, we were allowed $27,611.93 *less* than was used in 1898, notwithstanding the large increase in population and in mileage of paved streets during the interim.

By comparison of the cost of this Department with that of similar departments in other large cities we obtain almost incredible results. For instance:

In Baltimore the cost is .73 per capita.
In Boston, Mass., the cost is $1.76 per capita.
In New York, N. Y., the cost is $1.36 per capita.
In Philadelphia, Pa., the cost is .96 per capita.

A careful study of these figures, I think, will convince any one of the absurdity of the proposition to keep our streets and alleys in even a reasonably clean or sanitary condition with the means at hand for that purpose. And more especially are we impressed with this fact when we consider the wretched paving conditions which obtain with reference to our streets and alleys, which are generally considered to be worse than those of any city in the universe. A great number of our alleys are in such a deplorable state as to render them utter impassable for a horse and cart. This condition not only largely increases the work of the garbage and ashes collectors, but is a serious menace to the health of citizens, inasmuch as these holes and ruts are full of festering matter and foul water, which, during the heated term, constantly give out nauseous odors and deadly germs. Some of our streets, too, are nearly as bad as these alleys. So far as I can learn by observation, all other large cities pay even more attention to the paving of their alleys than to the streets, and

in nearly everyone we find the alleys paved with some form of improved pavement, so that they can be readily cleaned daily.

I would most respectfully recommend to your Honorable Body the advisability of the city owning its own horses and carts for doing the street-cleaning work, as by this means a very much more efficient service can be obtained, because of a closer supervision and a general oversight over all this property, which would thus be brought under a general management of the Department, and thus insuring a more uniform equipment and better service in every respect.

I have estimated that we can buy an equipment of carts, harness and horses, equal in number to those in use at present, and vastly superior to them in every respect, also build and equip the necessary stables, blacksmith and repair shops, sheds, etc., for these horses and carts for $35,000. For $70,000 per annum we can maintain and operate this branch of the service, which, with the interest on the outlay for equipment, would be a saving of over $12,000 on the present cost, and this amount could be used to very great advantage to increase that service.

I would also recommend to your Honorable Body the urgent need for a larger appropriation for the sweeper and scraper account. This need is very apparent for the reasons set forth above, in order to place Baltimore on a footing equal in this respect to her sister municipalities.

Since assuming charge of the office I have made numerous changes in the *personnel* of the Department, and I think most of them are in the line of improvement. All the employees are thoroughly impressed with the idea that all the affairs of the Department must be conducted in a thoroughly business-like manner, and that a full day's work will be demanded for a full day's pay. I have endeavored, wherever possible, to make promotions in filling all vacancies from the rank below, thereby creating the feeling that merit will be rewarded wherever it may be possible.

The Department is seriously handicapped by the gross carelessness of a great many merchants and their employees, who sweep paper, store refuse and other wastes into the streets, in direct violation of the law. This practice is also prevalent at the various city market houses. However, I have recently taken steps to put a stop to this latter practice, and am ably seconded therein by the Board of Public Safety, and also by the Police Department.

In reference to the appended tables, it would appear on comparing them with the tables for the year 1899, that considerably less work was accomplished than in the year before. The tables for the year 1900 are as nearly correct as is possible to make them, considering the great number of dumps used for the deposit of ashes; and those referring to garbage and street dirt are correct. It is a somewhat singular fact that the report for the year 1899 shows 4,325 loads more of garbage than the report for the year 1900, yet according to the report of the garbage contractor there have been 10,200 tons more of garbage hauled away from the dumps by scows this year than during the year 1899. In fact the tonnage of garbage hauled away by scows was greater than during any previous year.

In conclusion I would say that it affords me great pleasure to recommend to your notice the intelligent and earnest co-operation I have received from the superintendents and the office force in the administration of the affairs of the Department, and to them I extend my thanks for the assistance rendered me.

Respectfully submitted,

PAUL IGLEHART,

Commissioner of Street Cleaning.

TABLES.

TABLE A.

MONTHLY REPORT OF WORK DONE IN THE STREET CLEANING NUMBER MEN EMPLOYED, NUMBER OF STREET AND GARBAGE EXPENDED FOR TOOLS AND INCIDENTALS, FROM JANUARY 1ST,

MONTH ENDING.	DISTRICT NO. 1. SUPERINTENDENT.	Total No. Loads of Garbage Collected and Removed.	Total No. Loads of Ashes Collected and Removed.	Total No. Loads of Street Dirt, Sand, Snow, etc. Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	Chas. T. Strebeck. .	506	2,052	1,432	$1,794 00
Feby. 28...	" " ...	427	2,014	1,697	1,416 00
March 31...	" " ...	533	2,531	2,128	1,800 00
April 30...	Jesse F. Hall.....	563	2,443	1,632	1,836 00
May 31...	" "	940	2.008	1,816	1,872 00
June 30...	" "	1,540	1,743	2,496	2,343 00
July 31...	" "	1,465	1,149	2,112	1,944 00
Aug. 31...	" "	1,631	868	2,064	1,875 00
Sept. 30...	" "	2,022	697	2,481	2,280 00
Oct. 31...	" "	1,274	841	1,689	1,797 00
Nov. 30...	" "	1,024	1,513	1,235	1,797 00
Dec. 31...	" "	924	2,749	1,269	2,238 00
Total for year for 1st Dist		12,849	20,608	22,051	$22,992 00

TABLE A.

DEPARTMENT, SHOWING NUMBER LOADS COLLECTED AND REMOVED, CARTS EMPLOYED IN EACH SEPARATE DISTRICT; ALSO THE AMOUNT 1900, TO DECEMRER 31ST, 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amount Expended for Sweeping Machines, Sprinklers and Repairs.	Amount Expended for Tools, etc.	No. of Garbage Carts and Men Employed.	No. of Street Carts and Men Employed.	No of Scrapers and Sweepers Empl'yed	Total No. Loads of all Kinds Removed	Total Amount Expended for all Work.
$1,834 85	$209 08	$42 60	20	9	21	3,990	$3,880 53
1,454 53	171 08	10 60	20	10	21	4,138	3,052 21
1,691 17	128 20	6 10	20	9	22	5,192	3,625 47
1,458 00	182 61	18 40	26	9	21	4,638	3,495 01
1,474 33	241 56	9 60	26	10	20	4,764	3,597 49
1,972 00	211 30	13 30	26	10	21	5,779	4,539 60
1,563 83	158 57	.....	27	11	21	4,726	3,666 40
1,568 00	109 16	19 20	26	10	21	4,563	3,571 36
1,962 00	173 38	16 62	25	10	21	5,200	4,432 00
1,576 00	179 23	16 10	25	10	21	3,804	3,568 33
1,557 65	155 49	.....	25	10	21	3,772	3,510 14
1,890 17	146 02	46 90	25	10	21	4,942	4,321 09
$20,[illegible]02 53	$2,065 68	$199 42	...	...	...	55,508	$45,259 63

TABLE A—Continued.

Monthly Statement of Work Done in the Street Cleaning Depart-

Month Ending.	District No. 2. Superintendent.	Total No. Loads of Garbage Collected and Removed	Total No. Loads of Ashes Collected and Removed.	Total No. of Loads of Street Dirt, Sand, Snow, etc., Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	Joseph H. Cooper...	144	1,017	1,235	$ 630 00
Feby. 28...	" "	127	1,029	1,189	480 00
March 31...	" "	154	1,329	1,558	630 00
April 30...	Wm. A. Poist.....	246	2,885	1,708	1,722 00
May 31...	" "	410	2,572	1,666	1,728 00
June 30...	" "	729	2,837	2,043	2,157 00
July 31...	" "	752	1,747	1,555	1,728 00
Aug. 31...	" "	1,319	1,072	1,723	1,782 00
Sept. 30...	" "	1,543	1,340	2,166	2,244 00
Oct 31...	" "	715	1,590	1,657	1,800 00
Nov. 30...	" "	319	2,285	1,622	1,791 00
Dec. 31...	" "	258	3,717	1,921	2,250 00
Total for year for 2d Dist.....		6,716	23,420	20,043	$18,942 00

TABLE A—Continued.

ment with the Cost of Same in each Separate District for the Year 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amount Expended for Sweeping Machines, Sprinklers and Repairs.	Amount Expended for Tools, etc.	No. of Garbage Carts and Men Employed.	No. of Street Carts and Men Employed.	No. of Sweepers and Scrapers Empl'yed	Total No. of Loads of all Kinds Removed	Total Amount Expended for all Work.
$1,323 35	$209 08	$14 10	7	7	14	2,396	$2,176 53
1,086 50	171 08	8 65	7	9	14	2,345	1,746 23
1,287 50	128 20	10 00	7	7	14	3,041	2,055 70
1,593 00	182 61	27 15	24	11	24	4,839	3,524 76
1,595 15	241 56	18 35	24	10	23	4,648	3,583 06
2,009 28	211 30	27 80	24	10	23	5,609	4,405 38
1,647 16	158 57	8 65	24	10	23	4,054	3,542 38
1,648 00	102 27	83 25	25	10	23	4,114	3,615 52
2,058 58	221 82	16 50	25	10	23	5,049	4,540 82
1,648 66	198 56	12 60	25	10	23	3,962	3,659 82
1,660 81	171 09	9 15	25	10	23	4,226	3,632 05
2,117 61	169 70	32 35	25	10	25	5,896	4,569 66
$19,675 52	$2,165 84	$268 55	...	...	...	50,179	$41,051 91

TABLE A.—Continued.

Monthly Statement of Work Done in the Street Cleaning Depart-

Month Ending.	District No. 3. Superintendent.	Total No. Loads of Garbage Collected and Removed.	Total No. Loads of Ashes Collected and Removed.	Total No. Loads of Street Dirt, Sand, Snow etc., Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	R. Lewis Morton.....	232	1,941	3,159	$1,620 00
Feby. 28...	" "	193	2,008	3,462	1,276 50
March 31...	" "	282	2,500	4,553	1,620 00
April 30...	Henry T. Daly.....	448	2,254	888	1,602 00
May 31...	" "	627	1,792	1,070	1,584 00
June 30...	" "	952	1,841	1,369	1,965 00
July 31..	" "	901	1,125	1,011	1,563 00
Aug. 31...	" "	1,011	792	925	1,566 00
Sept. 30...	" "	1,250	874	1,255	1,980 00
Oct. 31...	" "	792	1,047	1,051	1,692 00
Nov. 30...	" "	574	1,532	967	1,728 00
Dec. 31...	" "	536	2,647	1,195	2,160 00
Total for year for 3d Dist.....		7,798	20,353	20,905	$20,356 50

TABLE A.—Continued.

ment with the Cost of Same in each Separate District for the Year 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amount Expended for Sweeping Machines, Sprinklers and Repairs.	Amount Expended for Tools, etc	No of Garbage Carts and Men Employed.	No. of Street Carts and Men Employed.	No. of Scrapers and Sweepers Empl'yed	Total No. of Loads of all Kinds Removed	Total Amount Expended for all Work.
$3,140 00	$418 28	$46 70	18	21	25	5,332	$5,224 98
2,531 50	342 22	45 90	18	23	25	5,663	3,196 12
3,186 59	256 48	20 45	18	21	26	7,335	5,083 52
1,279 25	182 61	.....	23	10	16	3,590	3,063 86
1,419 35	241 56	16 38	22	11	17	3,489	3,261 29
1,767 84	211 30	4 45	22	11	17	4,162	3,948 59
1,388 51	158 57	16 00	22	11	17	3,037	3,126 08
1,327 01	63 72	.....	22	10	17	2,728	2,956 73
1,736 29	139 37	18 75	22	10	17	3,379	3,874 41
1,269 16	109 95	19 07	24	8	18	2,890	3,090 18
1,185 83	78 44	15 75	24	8	18	3,073	3,008 02
1,534 41	95 80	10 50	24	8	18	4,378	3,800 71
$21,765 74	$2,298 30	$213 95	.....	.....	.....	49,056	$44,634 49

TABLE A.—Continued.

Monthly Statement of Work Done in the Street Cleaning Depart-

Month Ending	District No. 4. Superintendent.	Total No. Loads of Garbage Collected and Removed.	Total No. Loads of Ashes Collected and Removed.	Total No. Loads of Street Dirt, Sand, Snow, etc., Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	John C. Weaver.....	201	2,910	2,169	$2,244 00
Feb. 28...	" "	222	2,919	2,044	1,780 50
March 31...	Wm. A. Larkins.....	325	3,644	4,550	2,232 00
April 30...	Harry T. Kirby.....	433	3,591	1,118	2,034 00
May 31...	" "	766	2,947	988	2,016 00
June 30...	" "	1,016	3,138	1,658	2,517 00
July 31...	" "	905	2,187	1,456	2,007 00
Aug. 31...	" "	1,959	1,581	1,500	1,983 00
Sept. 30...	" "	1,306	1,776	2,095	2,511 00
Oct. 31...	" "	803	1,899	1,865	2,016 00
Nov. 30...	" "	516	2,626	1,733	1,986 00
Dec. 31...	" "	474	4,523	1,908	2,466 00
Total for year for 4th Dist.....		8,026	33,741	23,084	$25,792 50

TABLE A—Continued.

ment, with the Cost of Same in each Separate District for the Year 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amouut Expended for Sweeping Machines, Sprinklers and Repairs.	Amount Expen'ed for Tools, etc.	No. of Garbage Carts and Men Employed.	No of Street Carts and Men Employed.	No. of Scrapers and Sweepers Empl'yed	Total No. Loads of all Kinds Removed	Total Amount Expended for all Work.
$2,266 70	$209 08	$32 51	25	12	25	5,280	$4,752 29
1,787 87	171 08	13 80	25	14	24	5,185	3,753 25
2,188 29	128 20	47 40	27	12	26	8,519	4,596 19
1,504 30	182 61	13 60	29	11	19	5,142	4,734 51
1,507 82	241 56	.....	28	11	18	4,701	3,765 38
1,886 81	211 30	21 18	28	11	19	5,812	4,636 29
1,523 82	158 57	18 85	28	11	19	4,548	3,708 24
1,556 67	153 55	53 95	28	11	19	4 140	3,747 17
2,013 67	251 14	87 10	28	13	22	5,177	4,862 91
1,839 50	204 56	41 87	28	13	22	4,567	4,101 93
1,803 45	170 28	15 52	28	13	22	4,875	3,975 25
2,224 85	200 82	25 70	28	12	22	6,905	4,917 37
$22,103 75	$2,282 75	$371 78	...	...	...	64,851	$50,550 78

TABLE A—Continued.

Monthly Statement of Work Done in the Street Cleaning Depart-

Month Ending.	District No. 5. Superintendent.	Total No. Loads of Garbage Collected and Removed.	Total No. Loads of Ashes Collected and Removed.	Total No. Loads of Street Dirt, Sand, Snow, etc., Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	John F. Carter.....	81	1,748	880	$1,206 00
Feby. 28...	"	76	1,811	1,058	912 00
March 31...	"	137	2,187	999	1,168 50
April 30 ..	Edw. F. Callahan...	599	3,382	1,229	2,007 00
May 31...	" ...	977	2,700	1,701	2,013 00
June 30...	" ...	1,620	2,975	2,684	2,499 00
July 31...	" ...	1,630	1,908	2,211	1,998 00
Aug. 31...	" ...	1,859	1,138	2,363	2,016 00
Sept. 30...	" ...	2,179	1,281	2,936	2,451 00
Oct. 31...	" ...	1,200	1,708	2,352	1,968 00
Nov. 30...	" ...	867	2,581	1,937	2,016 00
Dec. 31...	" ...	834	4,258	1,841	2,511 00
Total for year for 5th Dist.....		12,059	27,672	22,191	$22,765 50

TABLE A—Continued.

ment with the Cost of Same in Each Separate District for the Year 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amount Expended for Sweeping Machines, Sprinklers and Repairs	Amount Expended for Tools, etc.	No. of Garbage Carts and Men Employed.	No. of Street Carts and Men Employed.	No. of Scrapers and Sweepers Empl'yed	Total No. Loads of all Kind Removed	Total Amount Expended for all Work.
$1,374 26	$ 209 08	$22 51	14	7	17	2,709	$2,811 85
1,193 65	171 08	20 60	13	8	17	2,945	2,297 33
1,365 69	128 20	14 50	13	7	17	3,323	2,676 89
1,645 77	182 61	12 80	29	15	19	5,210	3,848 18
1,779 94	241 56	29 95	29	15	19	5,378	4,064 45
2,323 47	211 30	1 35	28	15	21	7,279	5,035 12
1,832 47	158 57	33 00	28	15	20	5,749	4,022 04
1,782 27	159 19	2 50	28	15	20	5,360	3,959 96
2,294 49	301 70	34 63	27	15	20	6,396	5,081 82
1,874 99	208 61	17 60	27	15	20	5,260	4,069 20
1,803 10	205 83	5 00	28	14	20	5,385	4,029 93
2,240 61	264 49	20 70	28	14	21	6,928	5,036 80
$21,501 71	$2,442 22	$215 14	...	...	...	619 22	$46,933 57

TABLE A.—Continued.

Monthly Statement of Work Done in the Street Cleaning Depart-

Month Ending.	District No. 6. Superintendent.	Total No. Loads of Garbage Collected and Removed,	Total No. Loads of Ashes Collected and Removed.	Total No. Loads of Street Dirt, Sand, Snow etc., Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	Wm. A. Poist.....	282	5,938	2,574	$3,888 00
Feby. 28...	"	345	5,824	2,636	2,982 00
March 31...	"	554	7,348	4,651	3,760 00
April 30...	Jos. A. Carey.....	486	2,445	2,524	1,563 00
May 31...	"	652	1,909	2 566	1,584 00
June 30...	"	889	1,818	3,322	1,926 00
July 31...	"	831	1,035	2,584	1,512 00
Aug. 31...	"	923	802	2,661	1,486 50
Sept. 30...	"	1,154	938	3,530	1,930 50
Oct. 31...	"	695	1,043	2,919	1,458 00
Nov. 30...	"	520	1,503	2,784	1,434 00
Dec. 31...	"	423	2,829	2,764	1,773 00
Total for year for 6th Dist.		7,754	33,432	35,513	$25,297 50

TABLE A.—Continued.

ment with the Cost of Same in each Separate District for the Year 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amount Expended for Sweeping Machines, Sprinklers and Repairs.	Amount Expended for Tools, etc.	No of Garbage Carts and Men Employed.	No. of Street Carts and Men Employed.	No. of Scrapers and Sweepers Empl'yed	Total No. of Loads of all Kinds Removed	Total Amount Expended for all Work.
$2,433 62	$209 08	$22 41	45	15	25	8,794	$6,553 11
1,986 79	171 08	42 42	42	16	25	8,805	5,182 29
2,477 42	128 20	18 45	44	16	40	12,553	6,384 57
2,604 16	365 32	38 15	22	22	32	5,455	4,570 63
2,858 50	483 16	4 00	22	22	33	5,127	4,929 66
3,625 19	488 12	54 30	22	23	34	6,029	6,093 61
2,992 62	317 15	19 20	21	23	34	4,450	4,840 97
2,992 03	369 28	15 60	21	23	34	4,386	4,863 41
3,778 00	604 16	109 58	22	23	35	5,622	6,422 24
3,207 02	491 56	6 30	20	26	35	4,655	5,162 88
3,296 54	448 86	21 15	20	26	35	4,807	5,200 55
3,940 47	521 38	42 70	19	25	35	6,016	6,277 55
$36,192 36	$4,597 35	$394 26	...	...	...	76,699	$66,481 47

TABLE A.—Continued.

Monthly Statement of Work Done in the Street Cleaning Depart-

Month Ending.	District No. 7. Superintendent.	Total No. Loads of Garbage Collected and Removed.	Total No. Loads of Ashes Collected and Removed.	Total No. Loads of Street Dirt, Sand, Snow, etc, Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	Octavius Dix.....	393	3,827	1,776	$2,250 00
Feby. 28...	"	445	3,679	1,518	1,776 00
March 31...	"	575	3,930	1,775	2,241 00
April 30...	John E. Gist.....	348	2,970	2,217	1,800 00
May 31...	"	695	2,248	2,384	1,800 00
June 30...	"	1,485	1,761	3,013	2,250 00
July 31...	"	1,305	1,044	2,065	1,797 00
Aug. 31...	"	1,498	628	2,458	1,788 00
Sept. 30...	"	1,785	806	2,736	2,244 00
Oct. 31...	"	946	1,184	2,079	1,797 00
Nov. 30...	"	486	1,997	1,951	1,785 00
Dec. 31...	"	406	3,302	2,506	2,247 00
Total for year for 7th Dist.....		10,367	27,376	26,478	$23,775 00

TABLE A—Continued.

ment with the Cost of Same in each Separate District for the Year 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amount Expended for Sweeping Machines, Sprinklers and Repairs.	Amount Expended for Tools, etc.	No. of Garbage Carts and Men Employed.	No. of Street Carts and Men Employed.	No. of Sweepers and Scrapers Empl'yed	Total No. of Loads of all Kinds Removed	Total Amount Expended for all Work.
$1,610 00	$209 08	.....	25	9	16	5,996	$4,069 08
1,307 82	171 08	$17 40	25	10	16	5,642	3,272 30
1,622 13	128 20	17 70	25	11	22	6,280	4,009 03
1,822 33	182 61	.....	25	12	26	5,535	3,804 94
1,803 83	241 56	16 75	25	13	24	5,327	3,862 14
3,314 49	211 30	18 67	25	13	25	6,259	4 794 46
1,840 17	158 57	30	25	12	24	4,414	3,796 04
1,835 84	196 82	12 73	25	12	24	4,584	3,833 39
2,287 84	240 71	19 58	25	12	24	5,327	4,792 13
1,801 50	237 97	15 85	25	12	24	4,209	3,852 32
1,787 50	210 83	15 75	25	12	23	4,434	3,799 08
2,232 51	251 87	27 50	25	12	23	6,214	4,758 88
$22,265 96	$2,440 60	$162 23	...	...	...	64,221	$48,643 79

TABLE A—Continued.

Monthly Statement of Work Done in the Street Cleaning Depart-

Month Ending.	District No. 8. Superintendent.	Total No. Loads of Garbage Collected and Removed.	Total No. Loads of Ashes Collected and Removed.	Total No. of Loads of Street Dirt, Sand, Snow, etc., Collected and Removed.	Cost of Collecting and Removing Ashes and Garbage.
Jany. 31...	Thos. B. Sweeting...	291	3,828	1,537	$2,313 00
Feby. 28...	Thos. B. Sweeting...	222	3,860	1,570	1,782 00
March 31...	Edward Bufter.....	243	4,353	2,736	2,250 00
Total for 8th Dist		756	12,041	5,843	$6,345 00

Note.—On April 1 the Department was consolidated into seven districts only.

TABLE A—Continued.

ments with Cost of Same in each Separate District for the Year 1900.

Cost of Collecting and Removing Street Dirt, Sand, Snow, etc.	Amount Expended for Sweeping Machines, Sprinklers and Repairs.	Amount Expended for Tools, etc.	No. of Garbage Carts and Men Employed.	No. of Street Carts and Men Employed.	No. of Scrapers and Sweepers Empl'yed	Total No. Loads of all Kinds Removed	Total Amount Expended for all Work.
$1,797 66	$209 08	$34 70	27	10	19	5,656	$4,354 44
1,479 70	171 08	3 36	25	11	19	5,652	3,436 14
1,605 41	128 20	75	26	10	19	7,332	3,984 36
$4,882 77	$508 36	$38 81	...	...	...	18,640	$11,774 94

TABLE B.

REPORT OF WORK DONE, INCLUDING ALL EXPENDITURES IN THE STREET CLEANING DEPARTMENT FOR EACH MONTH OF THE YEAR ENDING DECEMBER 31, 1900, ALSO AMOUNT OF RECEIPTS FROM THE SALES OF REFUSE, ETC.

1900. MONTH.	Total No. of Loads of Garbage Removed.	Total No. of Loads of Ashes Removed.	Total No. of Loads of Street Dirt, Sand, Snow, Ice, etc., Removed.	Cost of Collecting and Removing Ashes and Garbage.	Cost of Collecting and Removing Street Dirt, Sand, Snow, Ice, etc.	Contingent Fund.	Cost of Sweeping Machines, Sprinklers, Repairs, etc.	Salaries.	Cost of Tools, Repairs, etc.	Paid to Contractor for Removal of Garbage.	Cost of Printing.	Cost of New Sprinklers	Garbage Carts.	Street Carts.	Sweepers and Scrapers.	Total No. of Loads of all kinds Removed.	Total Amount of Expenditures.	Total Amount of monies Received and paid to Comptroller.
January	2,131	23,260	14,762	$15,945 00	$15,780 44	$83 44	$3,882 87	$1,284 49	$257 99	.....	.....	.....	181	90	162	40,153	$37,234 23	$57 00
February	2,057	23,144	15,174	12,405 00	12,828 36	41 10	1,889 38	1,128 74	366 03	$1,225 00	.....	.....	175	100	161	40,375	29,883 61	.....
March	2,803	27,822	22,950	15,702 00	15,424 20	32 86	1,088 39	1,116 92	19 60	.....	.....	.....	178	92	193	53,575	33,383 97	342 00
April	3,123	19,970	11,316	12,564 00	11,906 81	44 06	1,622 16	1,205 85	173 25	.....	$15 25	$292 50	178	89	152	34,409	27,823 88	.....
May	5,067	16,176	12,191	12,597 00	12,890 36	64 06	2,406 41	1,170 39	213 70	1,225 00	.....	.....	176	82	154	33,434	30,566 92	159 35
June	8,231	16,113	16,585	15,657 00	15,970 83	10 04	1,473 35	1,286 39	158 82	.....	.....	.....	175	92	159	40,929	34,556 43	62 00
July	7,789	10,195	12,994	12,549 00	12,953 83	46 31	1,559 47	1,274 97	39 35	.....	.....	.....	175	91	159	30,978	28,422 93	50 00
August	9,299	6,882	13,694	12,612 28	12,772 32	120 60	2,053 32	1,275 06	508 66	.....	.....	350 00	175	91	158	29,875	29,692 24	128 90
September	11,239	7,712	17,199	15,640 50	16 258 79	2 60	1,519 78	1,274 97	15 05	3,750 00	.....	.....	175	91	162	36,150	38,461 69	125 00
October	6,425	9,312	13,610	12,528 00	13,267 33	.....	2,306 62	1,246 64	243 28	.....	.....	.....	175	94	166	29,347	29,591 87	225 82
November	4,306	14,037	12,229	12,597 33	13,162 28	5 81	1,508 44	1,390 06	175 15	3,750 00	.....	.....	175	94	166	30,572	32,589 07	127 50
December	3,855	24,020	13,404	12,964 00	14,129 83	46 30	1,743 62	1,339 97	324 85	.....	.....	.....	175	94	165	41,279	30,548 57	255 50
	66,325	198,643	176,108	$163,761 11	$167,345 38	$497 18	$23,053 81	$14,994 45	$2,495 73	$9,950 00	$15 25	$642 50	.....	.....	.....	441,076	$382,755 41	$1,533 07

TABLE C.

FINANCIAL STATEMENT OF THE STREET-CLEANING DEPARTMENT APPROPRIATION FROM JANUARY 1ST, 1900 TO DECEMBER 31ST, 1900.

	Amount of Appropriations.	Expenditures for the Twelve Months, Ending December 31, 1900.	Credit Balances December 31, 1900.	Revenue from the Sales of Refuse, etc.
Garbage carts and men	$163,800 00	$163,761 11	$ 38 89	.....
Street carts and men	84,240 00	84,169 50	70 50	.....
Sweepers and scrapers	83,200 00	83,175 88	24 12	.....
Sweeping machines, sprinklers, etc	23,500 00	23,053 81	446 19	.....
New Sprinklers	700 00	642 50	57 50	.....
Salaries	15,999 00	14,994 45	1,004 55	.....
Contract for the removal of Garbage	9,950 00	9,950 00	.....	.....
Tools, repairs, etc	2,500 00	2,495 73	4 27	.....
Contingent Fund	500 00	497 18	2 82	.....
Printing	100 00	15 25	84 75	.....
Sales of refuse, etc	.....	.....	.....	$1,533 07
Total	$384,489 00	$382,755 41	$1,733 59	$1,533 07

Total amount of appropriation for the year 1900	$384,489 00
Total amount of appropriation expended during 1900	382,755 41
Unexpended balance	$1,733 59
Revenue from sale of refuse, etc	1,533 07
Total amount transferred to city treasury	$3,266 66

TABLE D.

Recapitulation.

Total number of loads of garbage collected and removed from January 1 to December 31, 1900	66,325
Total number of loads of ashes collected and removed from January 1 to December 31, 1900	198,643
Total number of loads of street dirt, sand, snow and ice collected and removed from January 1 to December 31, 1900	176,108
Total number of loads of all kinds collected and removed from January 1 to December 31, 1900	441,076
Total amount paid for collecting and removing garbage and ashes from January 1, to December 31, 1900	$163,761 11
Total amount paid for collecting and removing street dirt, sand, snow, etc., from January 1 to December 31, 1900	167,345 38
Total amount paid for salaries from January 1 to December 31, 1900	14,994 45
Total amount paid for sprinkling and sweeping by machines from January 1 to December 31, 1900	23,053 81
Total amount paid for tools, repairs, etc., from January 1 to December 31, 1900	2,495 73
Total amount paid for removal of garbage by scows, as per contract, from January 1 to December 31, 1900	9,950 00
Total amount paid for Contingent Fund from January 1 to December 31, 1900	497 18
Total amount paid for new sprinkling machines from January 1 to December 31, 1900	642 50
Total amount paid for printing from January 1 to December 31, 1900	15 25
Total amount paid out during the year from January 1 to December 31, 1900	$382,755 41
Total amount of money received from the sale of refuse, etc., during the year 1900	$1,533 07
Total number of garbage cart drivers in the employ of this Department	175
Total number of street cart drivers in the employ of this Department	94
Total number of sweepers and scrapers in the employ of this Department	166
Total number of carters, sweepers and scrapers	435

TABLE E.

NUMBER OF DEAD ANIMALS, ETC., REMOVED IN THE EASTERN AND WESTERN DISTRICTS FROM JANUARY 1, 1900, TO DECEMBER 31, 1900.

	Eastern District.	Western District.	Total.
Dogs	1,761	1,524	3,285
Cats	5,187	5,250	11,437
Rats	1,225	1,167	2,392
Fowls	530	635	1,165
Goats	21	6	27
Sheep	3	6	9
Rabbits	41	31	72
Hog	2	1	3
Opossums	1	3	4
Crabs	228	210	438
Decayed Meat (pounds)	214	189	403
Decayed Fish (pounds) etc	330	640	970

Total number of dead animals removed	17,229
Total number of dead fowls removed	1,165
Total number of dead crabs removed	438
Total number of pounds of decayed meat removed.	403
Total number of pounds of decayed fish removed	970

TABLE F.

SHOWING THE AMOUNT OF ANIMAL AND VEGETABLE GARBAGE DELIVERED TO CONTRACTOR AT DUMPS NO. 1 AND 2.

1900. Months.	Dump No. 1, Caroline Street.	Number of Loads.	Dump No. 2, Spring Gardens.	Number of Loads.	Totals.
January	Wm. G. Hoffman, Superintendent.	939	John Hippler, Superintendent	798	1,737
February	Wm. Bradley, "	893	Wm. G. Hoffman, "	868	1,761
March	" "	1,248	" "	1 352	2,600
April	" "	1,495	Jos. W. Funk, "	1,435	2,930
May	Hugh Noon, "	2,142	" "	2,476	4,618
June	" "	2,861	" "	4,083	6,944
July	" "	2,558	" "	3,789	6,347
August	" "	2,801	" "	4,455	7,256
September	" "	3,006	" "	4,338	7,344
October	" "	2,677	" "	3,588	6,265
November	" "	1,839	" "	1,672	3,511
December	" "	1,648	" "	1,515	3,163
		24,107		30,369	54,476

DEPARTMENT OF PUBLIC IMPROVEMENTS,

SUB-DEPARTMENT—HARBOR BOARD.

ANNUAL REPORT

—OF THE—

HARBOR BOARD

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900

BALTIMORE

WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

DEPARTMENT OF PUBLIC IMPROVEMENTS,

Sub-Department—Harbor Board.

BALTIMORE, MD.

JANUARY, 1901.

N. H. HUTTON, Harbor Engineer,
President.

CLARENCE SHRIVER,
Secretary.

JOHN K. OBER,

A. FRANK GILBERT,

GEORGE R. WILLIS.

JAMES H. IRVIN,
Clerk.

HARBOR BOARD OF BALTIMORE.

1876-77.
Ferd. C. Latrobe, President.
T. B. Ferguson, Secretary.
John W. McCoy,
W. H. Skinner,
W. R. Tumblinson,
J. C. Nicodemus,
†Wm. Seemuller,
N. H. Hutton, Eng'r.
H. P. Ficken, Clerk.

January, 1878.
George P. Kane, President.
Wm. Seemuller, Secretary.
John W. McCoy,
W. H. Skinner,
W. R. Tumblinson,
J. C. Nicodemus,
T. B. Ferguson,
N. H. Hutton, Eng'r.
H. P. Ficken, Cl'k.

January, 1879.
Ferd. C. Latrobe, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
W. R. Tumblinson,
T. B. Ferguson,
Alexander Jones,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1880.
Ferd. C. Latrobe, President
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
W. R. Tumblinson,
Alexander Jones,
Rob't. T. Baldwin,
N. H. Hutton, Eng'r
J. H. Irvin, Jr., Cl'k.

January, 1881.
Ferd. C. Latrobe, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Rob't. T. Baldwin,
James Bond,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

1882-1883.
Wm. Pinkney Whyte, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Rob't. T. Baldwin,
James Bond,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1884.
Ferd. C. Latrobe, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Rob't. T. Baldwin,
James Bond,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr , Cl'k.

January, 1885.
Ferd. C. Latrobe, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Rob't. T. Baldwin,
Thornton Rollins,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1886.
James Hodges, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Rob't. T. Baldwin,
Thornton Rollins,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr , Cl'k.

January, 1887.
James Hodges, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Thornton Rollins,
Edward Roelkey,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1888.
Ferd. C. Latrobe, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Thornton Rollins,
Edward Roelkey,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1889.
Ferd. C. Latrobe, President.
J. S. Woodside, Secretary.
John W. McCoy,
W. H. Skinner,
Alexander Jones,
Edward Roelkey,
George W Moore,
N H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k

January, 1890.
Rob't. C. Davidson, President.
J. S. Woodside, Secretary.
W. H. Skinner,
Edward Roelkey,
George W. Moore,
Fielder C. Slingluff,
Edward J. Codd,
N. H. Hutton, Eng'r.
J. H Irvin, Jr., Cl'k.

January, 1891.
Rob't. C. Davidson, President
J. S. Woodside, Secretary.
W. H. Skinner,
Edward Roelkey,
Fielder C. Slingluff,
Edward J. Codd,
Martin Wagner,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

1892-1893-1894-1895
Ferd. C. Latrobe, President.
J. S. Woodside, Secretary.
Fielder C. Slingluff,
Edward J. Codd,
Martin Wagner,
Henry Williams,
*J. Vernon Campbell,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1896.
Alcaeus Hooper, President.
J. S. Woodside, Secretary
Fielder C. Slingluff,
Edward J. Codd,
Martin Wagner,
Henry Williams,
J. Vernon Campbell,
N. H. Hutton, Eng'r.
J. H. Irvin, Jr , Cl'k

January. 1897.
Alcaeus Hooper, President.
Timothy A. Hooper, Secretary.
George R. Heffner,
Chas. W. Booz,
Martin Wagner,
Wm. T. Malster,
[Vacant],
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1898.
Wm. T. Malster, President.
Timothy A. Hooper, Secretary.
George R. Heffner,
Martin Wagner,
Edward D. Booz,
[Vacant],
[Vacant],
N. H. Hutton, Eng'r.
J. H. Irvin, Jr., Cl'k.

January, 1899.
Wm. T. Malster, President.
Clarence Shriver, Secretary.
George R. Heffner,
James B. Andrews,
H. M. Harriman,
George W. Moore,
John R. Sherwood,
N. H. Hutton, Eng'r.
S. L. Richards, Cl'k.

January, 1900.
Thomas G. Hayes, President.
Clarence Shriver, Secretary.
George R. Heffner,
James B Andrews,
H. M. Harriman,
George W. Moore,
John R. Sherwood,
N. H. Hutton, Eng'r.
S. L. Richards, Cl'k.

*Succeeded Francis P. Murphy, elected to the City Council, November 1891. †Secretary, April, 1877.

REPORT.

OFFICE OF THE HARBOR BOARD OF BALTIMORE,

BALTIMORE, January, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: The Harbor Board has the honor to submit herewith its report on the operations of this Sub-Department during the year 1900.

The several sub-divisions of public work in charge of the Board consists of:

1. Harbor maintenance and improvement, including maintenance and operation of the tug "Baltimore."

2. Ice-boats, their maintenance and repair, and operation when required.

3. Wharves, including the construction and repair of all city wharves, bulkheads, etc.; the general supervision of all wharves, and the enforcement of laws regulating the construction and condition of piers and bulkheads; also the granting of permits to construct, extend or alter piers or bulkheads.

4. The removal of unsanitary floating matter from the harbor and docks.

5. The reception and disposal of ashes from tow boats.

6. As occasion may require, the removal of vessels sunken in the harbor.

Appropriations for the work of the Board for the year 1900, were as follows:

Salaries (engineer and clerk)	$ 4,900 00
Dredging harbor and operating tug "Baltimore"	35,080 00
Ice-boats (maintenance and repairs)	15,000 00
Repairs of wharves and supervision	4,900 00
Removal of ashes and supervision	1,200 00
" " floating matter	2,500 00
Incidentals	500 00
Making a total of	$64,080 00

HARBOR.

Proposals for dredging were opened by the Board of Awards on April 3, 1900, and the contract awarded to the Sanford & Brooks Co., (the only bidder,) at 14½ cents per cubic yard for all work.

This price was considerably higher than paid heretofore, probably due to the large amount of dredging being done in this vicinity by the National Government giving full employment for all such machinery available. As the contract price was much higher than expected, the amount of work done was necessarily less than was estimated.

Work under this contract was commenced on May 9, and completed on October 30; the contractor was paid $24,621.28, and the amount of material excavated and removed was 169,802 cubic yards, distributed as follows:

Docks in Main Harbor:

Along Light street, (Pratt to Lee streets)	3,592 cub. yds.
Bowly's Wharf	784 "
McClure's Dock	225 "
Long Dock	100 "
Foot of Washington street	231 "
Foot of Lancaster street	571 "
Harris' Sewer (mouth of)	883 "
Deposits outside of sewer in Harbor	11,253 "
Tyler's Wharf	3,210 "
Schall's Wharf	2,306 "
Back Basin (City Dock)	61,975 "
Total Main Harbor	85,130

Middle Branch:

Main Channel, below Bayard street	31,279	cub. yds.
Main Channel, above Bayard street	6,557	"
Bayard-street Channel	6,952	"
Between Bayard and Bush-street Docks	10,031	"
Bush-street Dock	13,328	"
Bush-street Channel	3,827	"
Head of Basin to Digg's & McCullough's wharves foot of Eutaw street	4,522	"
Channel to Thomsen Chemical Co.'s pier	8,176	"
Total in Middle Branch	84,672	
Total quantity dredged	169,802	

This work was distributed over the following areas:

Docks and Harbor	253,000	sq. ft.
Back Basin	364,000	"
Channels, Middle Branch	494,000	"
At head of Branch	19,000	"
A total of	1,130,000	"

Or about 26 acres; making an average depth of dredging over the whole area of about four feet.

The docks in main harbor were generally dredged where necessary, to hard bottom, varying from 15 to 18 feet in depth.

The Back Basin was dredged to 18 feet depth from Canton avenue to Main Basin, and over whole area of basin, including docks at east end, and both sides of draw at entrance to Basin, to the depth of 16 feet generally.

The channels in the Middle Branch were restored to their respective depths of 17 feet and 12 feet (above Bayard-street Dock). Bush-street Dock was dredged to 15 feet depth for a width of 65 feet, and the whole length of the dock about 1,600 feet.

As the parties at interest have closed the gaps in the south side of Bush-street Dock, through which the sediment from Gwynn's Falls was washed into the channel leading to the

dock, a cut was made to remove a bar formed by this deposit 50 feet by 610 feet to 15 feet depth.

The quantity of deposit brought into the Back Basin by Jones' Falls, into the harbor by Harris'-creek sewer, and into the channels of the Middle Branch by Gwynn's Falls, and the sewers at the head of the branch, was so large and the cost per yard for removal so high, that no work was done on the channels in the main harbor, which are, however, in good condition.

The Board expects to be able early in this year to publish a new edition of the maps of the harbor, the old edition (1887) being exhausted and out of date as to wharves and depths of water.

The annual survey of the harbor as to dredged areas was made during March and April, the results plotted, and are now on file in the office of the Board. It was found necessary during the summer to re-establish many of the "stones" used for determining the location of channels, piers, etc., on the Middle Branch, and a careful and accurate geodetic survey was made, covering the shores of the Middle Branch from Light-street bridge to the foot of Eutaw street. Many new stones were planted and their geographical positions determined.

A remeasurement of all wharves in the harbor for the use of the new edition of the Harbor Map was made during November.

Owing to changes made by the New Charter a new edition of the Harbor Laws is essential, and the Board expects to be able to complete the revision and publication early in this year.

Appropriation for 1900 was	$35,080 00
Expenditures	34,102 50
Unexpended balance	$977 50

ICE-BOATS.

During the past winter comparatively little ice formed in the river and lower bay. The "Annapolis" was in service for ice breaking from January 2 to 10; January 31 to February 19, and from February 27 to March 2, principally for relief of commerce in upper bay.

The "Latrobe" was in service for ice breaking from January 31 to February 6, and from February 27 to March 2.

The "Latrobe" was in use by direction of the Council on May 5, for conveyance of River and Harbor Committee of Congress about the river and harbor. On August 1st by same authority, this boat was used by the National Association of Manufacturing and Jobbing Confectioners, the Association paying all expenses.

From June 7 to August 30, the boat was (by order of Mayor and City Council) in the service of the Free Summer Excursion Society, for whom twelve round trips were made to and from Chesterwood, conveying 14,671 persons.

On November 8, this boat was in service for use of guests to French war ships under Vice-Admiral Ricard.

The wheels of the "Annapolis" being in such bad condition as to render the boat useless in ice, such repairs were made as the funds at command would permit; about thirty new arms were put in the wheels, with segments, straps, etc., and while large repairs are still needed, the boat is in condition to do service during the ensuing winter.

Appropriation for 1900 was	$15,000 00
Received for service, etc	1,042 00
	$16,042 00
Expenditures were	$16,039 74
Unexpended balance	$2 26

REPAIRS OF WHARVES.

The following repairs to city wharves and bulkheads were made during the year at costs as named:

South Street Wharf.—Platform repaired and renewed; new fender and wharf piles put in place, etc., 148 linear feet; 12 x 12 cap logs, 1827 square feet; 3 new platforms, 12 pine piles, 4 cedar fast piles; old timber reworked and relaid where sound, cost $479.73.

Bowly's Wharf.—Minor repairs to ring bolts, etc., cost $7.45.

Bulkhead, Foot of Gay Street.—Repairs of sheet piling and shell filling, cost $11.28.

Bulkhead at Long Dock (East side).—Two sections of the old stone bulkhead in this dock, about 120 feet linear in all, gave way, and the wall in the lower section fell into the dock. It became necessary to remove and rebuild the walls on entirely new timber and pile foundations. The work was greatly delayed by high tides and the difficulty in procuring a "pile-driver." Work was commenced about the middle of October, and not completed at the end of the year. The cost was to December 31, $1,851.32.

Minor repairs to sheet piling, back filling, etc., were also made on east and west sides of this dock, cost $25.28

Foot of Broadway.—The stone bulkhead forming the east side of this pier, showing signs of failure by reason of decayed "ties," it became necessary to remove the stone wall; to drive new "tie" piles, place new ties and back log, new sheet piling and grillage, and to rebuild the wall in cement. Some Belgian block pavement disturbed by the repairs was relaid. Cost $920.19.

Foot of Hull Street.—The three upper courses of timber bulkhead 62 feet long, of 12"x 12" timber, were removed and replaced with new material, including bolts, spikes, etc. Cost $118.50.

Sea-Wall Quarantine Station.—About 200 feet linear of the coping, which had been displaced by waves and ice, was reset in cement; several holes in the wall were repaired, and portions of the rip-rap, where scattered by ice, etc., was replaced at the foot of the wall. Cost $59.19.

Hanover-Street Wharf.—This wharf, being decayed and dangerous, a fence was built across the street at end of the wharf, 64 feet long. Cost $11.97.

The work of repair of stone bulkheads at foot of Broadway and at Long Dock, caused by the failure of the old works, was in the nature of an emergency, as prompt action was necessary to prevent obstruction to business, and in the case of Long Dock, the possibly undermining of foundations of adjacent warehouses.

In such cases it is impossible to specify in advance the nature and extent of under-water repairs or renewals necessary, and owing to the absolute uncertainty of predicting the amount of delay by reason of high tides, this work was necessarily done on schedule prices for material and hire of men and machinery.

WHARF PERMITS.

Permits for extension and alterations of wharves were granted as follows:

Tolchester Company, to widen pier, Light street.

American Ice Company, to extend wharf foot of Henry street.

G. Ober Sons Company, to extend wharf foot of Hull street.

REMOVAL OF FLOATING MATTER.

The removal of unsanitary floating matter from the harbor and docks, owing to a change in the method of operation, was performed at a greatly reduced cost than for former years, and the work extended over a greater length of time. This work is always incapable of even approximate estimate as to extent and quantity, depending as it does on prevailing winds and tides, rainfall on streets and uplands, etc.

Operations were commenced on April 28, and continued with a force of men varying with the necessities of the case. There was removed from harbor and docks during the year

(by means of nets, etc., using three small boats, which conveyed the refuse to the City Garbage Scow, in the Back Basin,) the following floating matter: 758 cats, 578 dogs, 1,608 rats, 811 chunks' meat, 1,245 pounds meat, 546 fowls, 1,176 fish, 1,320 crabs, 222 livers, 328 boat loads garbage, 8 boat loads wood, 1 three-foot sturgeon, 1 three-foot alligator, 15 turtles, 3 terrapins, 3 sheep, 65 hams, 1 calf, 1 opossum, 6 goats, 3 pigs, 1 eagle, 1 live cow.

Appropriation for 1900 was	$2,500 00
Expenditures	1,417 18
Unexpended balance (due to change of methods)	$1,082 82

REMOVAL OF ASHES FROM TOW-BOATS.

The scow used for reception and removal of ashes from tow-boats has been maintained in good condition, though it is expected during 1901 to become necessary to have it hauled out for caulking and repair of bottom.

There was received during the year from 69 tow-boats and 6 steamers 39,907 bushels of ashes. Fortunately, for the city, it was only necessary to pay for unloading one scow load, the others being unloaded by persons having use for the ashes, all of which were placed behind bulkheads for filling, or put ashore for road-making.

Appropriation for 1900 was	$1,200 00
Expenditures	723 59
Unexpended balance	$ 476 41

COMMERCE OF PORT DURING 1900.

Through the courtesy of the Collector of the Port and the officers of the Pennsylvania and the Baltimore and Ohio Railroads the Board is enabled to submit some information as to the commerce of the port during 1900 and the commercial facilities afforded by the two (2) railroads.

The Pennsylvania Railroad Company controls two grain elevators of capacity of 1½ million bushels.

Has 15,730 feet linear of wharf accommodations—about three (3) miles.

During 1900 there was handled at their piers, exclusive of lighters, 1,862 vessels, of 620,284 tons.

There was delivered to vessels, in addition to above tonnage..... 1,872,896 bus. of wheat.
15,777,736 " " corn.
110,178 " " rye.

Or a total of ..... 17,760,810 bushels.

Baltimore and Ohio Railroad owns two (2) elevators, with capacity of 3 million bushels.

Has 24,227 feet linear of wharf accommodations, (about five miles).

During 1900, business at Elevators was:

Number of vessels loaded from Elevators	367
Bushels wheat shipped	4,020,969
" corn "	25,231,555
" oats "	4,066,993
" rye "	18,571
" flaxseed "	161,305
Total bushels shipped	33,499,393

Statement of the tonnage movement at the Port of Baltimore for the year ended December 31, 1900:

While the statement shows a small decrease in the number and tonnage register of the vessels as compared with last year, the actual carrying capacity is much greater on account of the increased size of the vessels coming to this port.

VESSELS ENTERED FROM FOREIGN PORTS.

Nationality and Class.	1898.		1899.		1900.	
	No.	Tons.	No.	Tons.	No.	Tons.
American, sail....	98	39,196	89	33,560	97	39,461
American, steam...	8	5,272	2	694	3	978
Foreign, sail.....	46	18,520	26	16,097	26	12,292
Foreign, steam.....	819	1,583,078	817	1,618,254	755	1,555,937
	971	1,646,066	934	1,668,605	881	1,608,668
Coastwise	1,353	1,674,821	1,438	1,837,970	1,548	2,101,041

VESSELS CLEARED FOR FOREIGN PORTS.

Nationality and Class.	1898.		1899.		1900.	
	No.	Tons.	No.	Tons.	No.	Tons.
American, sail.....	106	47,489	85	35,593	102	49,098
American, steam...	9	6,855	2	312	4	2,708
Foreign, sail.....	39	19,013	24	16,700	20	8,588
Foreign, steam.....	876	1,733,608	856	1,745,310	756	1,622,201
	1,030	1,806,965	967	1,797,915	882	1,682,595
Coastwise	1,980	2,008,042	2,086	2,218,964	2,280	2,597,457

	1899.	1900.
Immigrants	20,233	19,158

During the year there were 47 vessels built within the District of Baltimore, 34 sail and 13 steam, having an aggregate net tonnage of 11,368 tons, and valued at $1,428,150. This makes a total of 1,146 vessels owned and documented in this district, having an aggregate tonnage of 172,930 tons.

From these statements it will be seen that there was shipped from this port during the year, 51,260,203 bushels of grain, and that the entrances and clearances, foreign and coastwise, numbered 5,591 vessels of 7,989,761 tons.

For details of receipts and expenditures attention is respectfully called to annexed tabular statements, as also to a very valuable table compiled by the Clerk of the Board, showing in detail the total quantity of dredging done from 1876 to 1900, inclusive; the location of work done; the price per cubic yard; and amounts paid to contractors.

The total quantity dredged in 25 years was 8,959,690 cubic yards, for which contractors were paid $1,208,406.84, or an average of about 13½ cents per cubic yard.

There is also submitted as an inset sheet, a map of main harbor, showing in color the several depths of water below mean low water, as established by the Harbor Board.

Respectfully submitted,

N. H. Hutton,
Clarence Shriver,
John K. Ober,
A. Frank Gilbert,
George R. Willis.

TABLES.

HARBOR BOARD OF BALTIMORE—DREDGING 1876 TO 1900.

TOTAL DREDGING.			HARBOR AND CHANNELS.			BACK BASIN AND DOCKS.			MAIN & MIDDLE BRANCHES.			JONES' FALLS.			HEAD OF BASIN.			LOWER MIDDLE GROUND.			MOUTH OF HARBOR.			QUARANTINE ANCHORAGE.		
Cu. Yds.	Cost.	Year.	Cu. Yds.	Price.	Paid Contractor.	Cu. Yds.	Price.	Paid Contractor.	Cu. Yds.	Price.	Paid Contractor.	Cu. Yds.	Price.	Paid Contractor.	Cu. Yds.	Price.	Paid Contractor.	Cu. Yds.	Price.	Paid Contractor.	Cu. Yds.	Price.	Paid Contractor.	Cu. Yds.	Price.	Paid Contractor.
2,031,905	$215,806 35	*1876 and 1877	266,578 296,315 459,050 399,130	10½ 10 11 10¼	$28,543 51 30,787 11 50,495 50 40,910 80	3,839 6,718 84,055	10½ 15 9¾	$417 94 1,007 70 8,584 71	193,061 159,797	10½ 9⅞	$21,092 63 16,502 22				163,362	10½	$17,464 23									
504,895	68,500 99	1878	235,039	10½	24,679 08	40,278	14½	†5,896 55	99,878	12	11,985 36															
449,773	60,630 79	1879	311,514	12½	38,939 22	52,097	17	8,856 49	77,579	14	10,860 99				8,583	23	1,974 09	129,700	20	$25,940 00						
538,612	73,207 59	1880	346,691 67,957	11⅝ 13½	40,302 86 9,174 25	45,046	17	7,657 82	46,787	13¾	6,433 21				32,131	30	9,639 45									
243,796	50,450 20	1881	19,313 44,674	17 18	3,283 21 †8,121 32	76,513	22	†17,261 86	17,401	21¾	3,784 71				16,834	30	5,050 20				69,061	18¼	$12,948 90			
177,581	30,697 43	1882	37,304	17	6,341 68	10,174 39,667 1,600	22 17 17	2,238 17 6,743 38 272 00	90,436	17	15,374 20															
256,633	47,527 74	1883	143,958	19	27,352 02	1,756 50,659	22 20	386 32 10,131 80	58,660	16	9,385 60															
407,816	58,860 23	1884	243,764	13	†31,825 28	46,899	16	7,503 84	79,797	10⅜	8,697 87										37,356	29	10,833 24			
428,162	46,731 58	1885	290,208	11	31,922 88	97,330	11	†10,746 30	40,624	10	4,062 40															
491,238	54,036 18	1886	195,126	11	21,463 86	116,253	11	12,787 83	128,692	11	14,156 12															
283,362	37,130 78	1887	173,413	11	19,075 43	50,175	15½	7,777 11	40,284	11	4,431 24													51,167	11	$5,628 37
225,299	34,822 27	1888	123,578	14	17,300 92	52,430	19	9,961 70	47,631	15	7,144 65										19,490	30	5,847 00			
159,039	25,317 51	1889	95,542	13	12,420 46	44,751	21	†9,497 71	16,056	14	2,247 84										1,660	25	415 00			
258,378	39,553 90	1890	82,686	12	9,922 32	66,111	16	10,577 76	83,911	12	10,069 32	25,670	35	$8,984 50							3,290	35	1,151 50			
158,596	22,953 44	1891	23,070	13	2,999 10	58,399	17	9,927 83	77,127	13	10,026 51															
570,097	88,837 77	1892	96,736	10⅜	10,447 47	142,453	14⅜	21,225 47	237,397	13½	32,048 58	36,094 2,090	35 14⅜	12,632 90 311 41							55,327	22	12,171 94			
350,290	67,587 32	1893	85,998	12½	10,749 74	81,631 43,880	16¾ 15½	13,673 18 6,801 39	53,781	13	6,991 53	57,495 5,288	35 15½	20,123 25 819 64							31,217	27	8,428 59			
221,452	38,159 74	1894	60,529	12	7,263 48	60,334	15	9,050 10	54,591	12½	6,823 86	35,228	35	12,329 80							10,770	25	2,692 50			
230,352	33,616 90	1895	67,488	11¾	7,929 83	90,917	11⅜	10,819 11	55,171	12½	6,896 36	22,776	35	7,971 60												
185,621	29,908 53	1896	34,886	12	4,186 32	55,680	14⅜	8,256 32	46,290 25,854	12 14⅜	5,554 80 3,852 24	22,911	35	8,018 85												
162,850	21,680 37	1897	44,020	12	5,282 40	65,801	14⅞	9,672 75	39,631 13,398	12 14⅞	4,755 72 1,969 50															
241,065	17,370 13	1898	157,406	7	11,018 42	29,206	8	†2,396 48	17,993 36,461	8 6⅛	1,439 44 2,515 79															
197,475	20,397 82	1899	93,447	9¼	8,643 83	39,024 48,291	11⅜ 11½	4,438 98 5,553 45	7,130 9,583	9¼ 11½	659 52 1,102 04															
190,802	24,621 28	1900				85,130	14½	12,343 84	84,672	14½	12,277 44															
5,080,690	$1,208,406 84		4,495,420		$521,382 30	1,687,097		$252,505 89	1,939,673		$243,141 69	207,552		$71,191 95	220,910		$34,127 97	129,700		$25,940 00	228,171		$54,488 67	51,167		$5,628 37

*Includes cost of dumping privilege. †Includes cost of special work.

Approved:

N. H. HUTTON, *Harbor Engineer.*

Respectfully Submitted,

JAMES H. IRVIN, *Clerk.*

HARBOR.

Year Ended December 30, 1900.		Dr.	Cr.
Appropriation:			
Ordinance 29½, December 30, 1899			$35,080 00
Expenditures:			
Sanford & Brooks Co., 169,802 cu. yards at 14½c		$24,621 28	
Advertising		56 64	
Supervision of dredging		1,753 40	
Surveys		1,013 91	
Tug "Baltimore"		6,657 27	
Crew	$4,906 97		
Fuel	619 75		
Repairs	911 38		
Steamboat supplies	145 57		
Sundries	73 60		
Unexpended balance		977 50	
		$35,080 00	$35,080 00

SALARIES.

Year Ended December 31, 1900.	Dr.	Cr.
Appropriation:		
Ordinance 29½, December 30, 1899		$4,900 00
Expenditures:		
Salaries	$4,888 82	
Unexpended balance	11 18	
	$4,900 00	$4,900 00

ICE-BOATS.

Year Ended December 31, 1900.			Dr.	Cr.
Appropriation:				
Ordinance 29½, December 30, 1899				$15,000 00
Received from sundry parties for use of Ice-boats				1,042 00
Expenditures:	*Annapolis.*	*F. C. Latrobe.*		
Advertising	$ 7 70	$ 7 70		
Crew	5,357 16	5,830 87		
Fuel	707 25	790 86		
Repairs	1,195 15	1,198 37		
Steamboat supplies	163 14	170 97		
Subsistence	377 86	149 38		
Wharfage	83 33			
	$7,891 59	$8,148 15	$16,039 74	
Unexpended balance			2 26	
			$16,042 00	$16,042 00

INCIDENTALS.

Year Ended December 31, 1900.	Dr.	Cr.
Appropriation:		
Ordinance 29½, December 30, 1899		$500 00
Expenditures:		
Incidentals, (telephone, etc.)	$385 15	
Unexpended balance	114 85	
	$500 00	$500 00

REMOVAL OF ASHES FROM TOW-BOATS.

Year Ended December 31, 1900.	Dr.	Cr.
Appropriation:		
Ordinance 29½, December 30, 1899		$1,200 00
Expenditures.		
Unloading ash scow	$ 12 00	
Supplies	33 59	
Repairs	11 36	
Supervision of scow and dump	666 64	
Unexpended balance	476 41	
	$1,200 00	$1,200 00

REMOVAL OF FLOATING MATTER.

Year Ended December 31, 1900.	Dr.	Cr.
Appropriation.		
Ordinance 29½, December 30, 1899		$2,500 00
Expenditures.		
Wages	$1,272 73	
Boats	135 00	
Supplies	9 45	
Unexpended balance	1,082 82	
	$2,500 00	$2,500 00

REPAIRS OF WHARVES.

Year Ended December 31, 1900.		Dr.	Cr.
Appropriation:			
Ordinance No. 29½, December 30, 1899			$4,900 00
Expenditures:			
Repairs to wharves		$3,484 91	
Bowly's wharf	$ 7 45		
Long Dock	1,876 60		
Foot South street	479 73		
Foot Broadway	920 19		
Foot Hull street	118 50		
Hanover-street wharf	11 97		
Head Smith's Dock	11 28		
Quarantine sea-wall	59 19		
General supervision of wharves		900 00	
Unexpended balance		515 09	
		$4,900 00	$4,900 00

Respectfully submitted,

JAMES H. IRVIN, *Clerk.*

Approved:

N. H. HUTTON, *Harbor Engineer.*

ANNUAL REPORT

—OF THE—

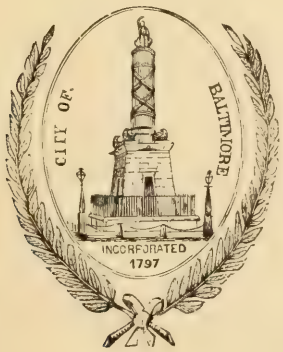
INSPECTOR OF BUILDINGS

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900



BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

Department of Buildings.

PERSONNEL.

Inspector of Buildings,
EDWARD D. PRESTON.

Assistant Inspector of Buildings,
GEO. R. BULLEN.

Inspector of District No. 1,
ROBERT H. CORNTHWAITE.

Inspector of District No. 2,
JNO. T. NEWMAN.

Inspector of District No. 3,
JAS. W. COLLINS.

Inspector of District No. 4,
JOS. R. DEGENHARDT.

Inspector of Furnaces,
JAS. W. McCUEN.

Clerk,
JAS. T. STEWART.

Assistant Clerk,
ELMER ALTREITH.

REPORT.

DEPARTMENT OF PUBLIC SAFETY—IMPROVEMENTS,
SUB-DEPARTMENT OFFICE INSPECTOR OF BUILDINGS,
CITY HALL.

BALTIMORE, January 2, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN—I herewith submit to you a report of work of this Sub-Department for the year ending December 31, 1900, also a comparison with the preceding year and certain recommendations which I think are necessary for the good of the Department as well as benefit and safety of the city generally.

By reference to the records it will be seen that the number of permits for new buildings has not been so large as last year, due principally to the fact that the strict adherence to the building laws, as now required by this office, has prevented, to a great extent, the throwing together of materials into what has heretofore been called houses, the result of which is that the Inspector of Buildings is constantly compelled to condemn houses or parts of houses on account of dangerous conditions continually arising on account of defective construction.

I cannot but regard this falling off in this class of buildings as of the greatest benefit to the city and the citizens generally. The rapidity with which this kind of property depreciates and goes to pieces is a serious detriment to the taxable basis of the city and also a fraud upon the people who invest for a home out of their hard earnings, and in most cases obtaining a loan to help purchase the property and before said loan is fully paid the property has to be abandoned for want of ability to rebuild. This class of property has also had the

effect of retarding better buldings as well as depreciating the values of well-built houses, and I think the City of Baltimore may look forward to better conditions of real estate when such buildings are not allowed.

The city is to be congratulated upon the character of the business buildings and improvements of the year. While such work has not been as extensive as might be desired, considerable has been done in this line, and the stability and quality of the work and materials, as well as the style and beauty of architecture, will compare favorably and possibly go beyond any previous record.

It has been the aim of this Department to carry out our building laws with as little trouble to contractors and builders as possible. To this end applicants for permits to build have been requested to submit their drawings that the sizes of materials and strength thereof as well as the manner of construction can be determined before permit is issued. It would be well if this submitting plans when application is made were a compulsory measure.

I would call attention to several matters that I consider necessary for the proper working of this Department.

THE ANNEX.

There is nothing bearing upon building construction, alteration or repairs, except Sections 1 and 2 of ordinance approved April 7, 1894, and therefore every application for frame buildings outside of old city limits must be granted. It would be well if a line were established regulating frame buildings.

WALLS OF BUILDINGS.

I have found considerable trouble in regard to the requirements of the building laws concerning the thickness of walls in business buildings as shown by the tables, and in some cases it has been almost an imposition to follow the law. A modification could be made which would not interfere with

the strength of the walls and would be an advantage to the person building. The division walls of dwelling houses as called for in Sections 19, 20 and 21, Article 7, need revision or wording in a different way to accomplish what is intended.

JOISTS OF BUILDINGS.

The laws are very poor in regard to joists for buildings, particularly the framing, in consequence of which many builders do not mortise and tenon the framing or hang them in stirrups as they should be, but simply use an inch-bear-bearing strip and depend on nails to hold it. This I regard of the utmost importance that an ordinance should be added to the building laws requiring proper framing for floors.

FENCES.

This department has been repeatedly called upon about fences, particularly division fences. Section 36 of Article 7 is the only law we have bearing upon these, except as they may come under a danger for public safety, in which case we can notify or have dangerous conditions removed. But we are repeatedly called upon to require adjoining property-owners to separate yards or properties in safe way. This is beyond our control, but I think some law should be enacted to meet such cases.

ELEVATORS.

There is no law bearing on elevators, except Section 43 of Article 7, which relates only to guard rails, but the frequency of accidents and the careless way in which they are handled make it necessary that some laws be enacted to protect the public. The constantly increasing number of elevators being erected and used for passenger purposes, and great number of people crowded into these carriages almost every minute of the day, demand that every precaution should be taken, and proper safety appliances should be used, as well as able operators employed. I am now preparing an ordinance to be submitted, which I hope will be received favorably, as I consider it of great importance to the public.

ELECTRIC WORK.

Another line of work now in use and increasing daily, and which is not under control of any city law, is electric-lighting. This is a question which should have immediate attention, and the importance of which I am sure you will readily agree to. It is my purpose to prepare an ordinance governing this, and which will be a guard to public safety.

FIRE-PROOF ROOFING.

The question of roofing under Section 63, Article 7, has given rise to many controversies and questions. The section named requires the Inspector of Buildings to issue permits for roofs of slate, tin, zinc, iron, copper, or such other equally fire-proof material. It is well known that places where business is done requiring use of acids, etc., that none of these roofs can be used, and in order to overcome this difficulty this department has been allowing the use for some years past of composition roofing, such as slag, plastic slate, etc., but questions have arisen whether these composition roofs are equally fire-proof, as required by law. In order to meet this I have required of persons engaged in such roofing work to submit samples, and tests have been made jointly by the Fire and this Department. The result of such test has been somewhat perplexing, as some few samples were fully satisfactory, and all others considered wholly unfit, as they burned readily, and the composition softened and spread while burning. I was compelled to refuse permits to parties offering these samples; this has been claimed to be unjust by giving privileges to a few to carry on that kind of business.

It would be well if this section were amended and a formula established which would specify the component part of the mixture, as well as the quantity of each, and no roof other than that named in the section allowed; and unless all the composition be made known to the Inspector of Buildings, and making a heavy penalty for any violation.

FRAME EXTENSIONS.

One of the most severe troubles of this office is the request for frame extensions. The reckless manner in which permits have been formerly given and the gross violation of law from the way they have been constructed has placed many dwellings in such condition that a fire occurring in one will likely spread to adjoining ones. This has been the case in several places. There are a great many of these frame extensions continuous from house to house, with only a lath and plaster partition separating them. While it might appear hardship on persons who have bought these houses to compel them to rectify said violations, yet I will recommend that where these frame extensions are connected they should be separated by a fire-proof partition, which can be readily done at a cost of about forty dollars per story. I would also suggest that the charges for frame extensions be increased, so as to discourage this kind of improvements.

SHEDS.

The request for sheds seem to be on the increase, and the applications are so many that a great deal of the assistant's time is required to examine into surrounding conditions for these structures. Many exceedingly dangerous conditions exist throughout the city from improper constructing of this kind, and many are in violation of law. While it is true the permits are revocable by the Mayor, yet to proceed in all places where the sheds are contrary to law, and where these dangerous conditions are, would be to almost revolutionize the city. There have been some severe accidents and loss of life from fire in some places. Something should be done to relieve this serious trouble that already exists and prevent a continuance. I would suggest much higher charges for permits for these sheds.

REBUILDING FRAME HOUSES.

There are a number of frame houses in the city, some of which are becoming very much dilapidated, but not far enough

gone to condemn. Section 74 of Article 7 provides for repairing these houses if the value of repairs does not exceed one-half of the value of the house. Owners of this property frequently apply to repair, and evade the law by doing some repairs at one time, and later on apply for permission to make other repairs, and thus avoid what is the plain intention of the law. I would suggest that this section be amended so that no permit should be issued unless a complete repair would amount to less than one-half of its value.

EXPLOSIVES.

Section 77 Article 7 relates to storing explosives. I would recommend a special construction be made for buildings used for this purpose, and also special permit for location, and a register be kept of all such places.

LIVERY STABLES.

The law fully covers livery stable permits as to location, but some complaints have been made to this Department about the inadequate means of exit in some places, and I am convinced, after investigation, that such is the case. I believe that all stabling should be on a floor, level with the sidewalk, and have inquired of the Law Department if any such requirement existed by ordinance, to which I received the reply, there was not. I therefore recommend that an ordinance covering this be enacted.

REVOCATION OF PERMITS.

Section 100 of Article 7 provides for revocation of permits, but I think some alteration should be made to make it conform to privileges as granted by the Board of Estimates, and also to make more explicit to what extent permits are revocable.

BOILERS AND POWER PLANTS.

The new law recently enacted for governing these is a want badly needed for a long time. Under the previous law

there was nothing controlling the use of power from any other source than steam, and it also required all heating boilers to be advertised the same as power boilers. Under this new ordinance permits are required for all kinds of power and machinery and the requirements for advertising are placed in such manner as will relieve unnecessary delay.

It appears to meet with great favor.

BOW AND BAY WINDOWS.

The frequent application for permits for erection or alteration of these structures, and the apparent misunderstanding of a great many of the citizens in regard to the requirements of the New Charter, has caused considerable confusion, and some extremely exaggerated statements.

I would recommend that the various sections of Article 7 be so worded as to conform to the New Charter; that all constructions or alterations, outside of the building lines of any property, be issued by the Inspector of Buildings, under the direction of the Board of Estimates, and that the present laws and ordinances regulating all constructions inside of building lines remain unchanged.

My reason for this recommendation is that, as the reading of the law at present places all these permits under the Inspector of Buildings, and as this Department is to proceed to have printed the usual copies of the Building Laws and Ordinances for public use, the wording should be in accordance with the Charter and Laws.

BUILDERS' PRIVILEGES.

It is necessary in all building operations for contractors and builders to have privileges and room for materials, both in tearing down and in erecting houses. Some time since an ordinance was introduced into the Council in reference to occupation of streets with building materials, to which I objected at the time, and it was not approved. My reason was not that I opposed the effort to protect life and guard against accident,

as was clearly intended by that ordinance, but some of its requirements were such that it would stop building operations in certain locations on account of the impossibility to comply with its demands.

I do think, however, that Section 116 of Article 7 could be amended so as not to be a hindrance to builders, and yet afford greater protection to the public. The reckless manner in which material is often placed, and extreme heights to which old bricks, etc., are piled at times, are dangerous to the public. The tearing down of old buildings should be so controlled under this section as to prevent the disturbance of an entire neighborhood by dirt and dust, as occurs in most cases now.

CHIMNEYS AND STACKS.

The annoyance from improperly constructed chimneys and stacks has given rise to many complaints to this office, but this Department is powerless to enforce any order to rectify any such defects. Article 9 of City Code provides that the Fire Inspector shall attend to this, but there being no such officer, every notice sent out remains optional with the offending party, who can only be proceeded against on the ground of a nuisance. I have conferred with the Law Department, and it is of the opinion that an ordinance can be enacted giving the powers called for in Article 9 to the Inspector of Buildings. Considering the frequency of these complaints, something should be done to evercome this difficulty.

APARTMENT HOUSES, ETC.

The great need of protection in buildings used as apartment and boarding houses, as well as office buildings, where numbers of persons are living or are employed, has been a question claiming the attention of all the large cities, especially of those persons whose duty it is to look after the public safety. In our own city the matter has been considered to some extent, as an ordinance (No. 211) was approved May 13, 1899, repealing Section 76 of Article 7, City Code of

1893. But I find that while this ordinance might have been sufficient for the particular case that gave rise to it, yet it does not meet the demands for such buildings. It is indefinite in some respects, and does not require all the fire-proof needs that should be in such houses. In some cases I have known careful study of this ordinance to see how little could be done and yet avoid conflict with it. I will request a more definite form, as well as some additional requirements to this ordinance.

GASOLINE AND OILS.

The question of gasoline and oils, while daily talked of as to the dangerous conditions and the serious results, owing to careless handling, is one with which the city laws deal with surprising indifference. Article 20, Sections 69, 70, 71, 72 and 73, with a simple ordinance relative to filling storage tanks for engines, is all there is bearing on this important matter. There is nothing by which permission is to be granted or refused for large storage tanks, and nothing to prevent certain quantities from being kept on any premises. There are hundreds of places where it is standing on pavements in front of stores, or kept in frame sheds in rear of houses, greatly endangering the surrounding property. A number of fires and loss of life have resulted from some of these conditions.

This question has been before the Board of Public Safety, who, having been convinced of the very serious conditions, and the constantly increasing cause of alarm from it, have requested the Fire Board, together with the Inspector of Buildings, to draft some ordinance that will regulate the storage of these dangerous fluids, as well as to protect the lives and property of the public.

HOT AIR FURNACES.

The method of heating houses with hot air furnaces appears to be more generally used than any other, and while there are special ordinances requiring various protections and safeguards in putting up these furnaces, yet there is more difficulty

from violations than any other part of the work of the office. I would suggest that a severe penalty be placed on persons violating these laws. I find considerable trouble arises from inexperienced persons engaged in the furnace business, and to prevent to a great extent the dangers that now exist, and are continually occurring, a law should be made similar to that laid down for plumbers, in which the men erecting furnaces should be regularly licensed. Another trouble arises from parties who, having built a number of houses, apply for permits for furnaces, and only install a furnace as they may sell a house. This is a great burden to the Inspector, whose duty it is, when a permit is issued, to look after the construction. In the way spoken of, it is a great loss of time, by having to keep continually going. This can be overcome by making the permits good only for a limited time. I would suggest that the ordinance be revised to meet the difficulties herein named, and also to add some additional provision for a registering of all furnaces, which I think is very necessary for the public good.

NUMBERING HOUSES.

Confusion has arisen in some places in the numbering of houses, on account of a vacant lot having been left in a block, and the numbers thus left open being based on the general size of adjoining houses. Afterward this lot is improved by houses with less frontage than allowed for when the numbers were first arranged, and consequently this office has to either compel entire renumbering of the block, much to the inconvenience of the residents, or make a fractional number. To avoid this a certain number of front feet should be the basis of the number; I would suggest 12 feet. For example, if there were six houses of fifteen feet each in the 100 block:

The first house would be	100
" next " "	104
" " " "	108
" " " "	112
" " " "	116
" " " "	120

I think some provision of this kind should be made where the houses are not now in a continuous row.

I would also suggest that some provision be made to comply with Ordinance No. 195, approved April 22, 1899, as it becomes necessary for a renumbering of the Annex. The Tax Department is greatly in need of this, and has made repeated calls for it, but it would be impossible to accomplish this purpose for some considerable time with the force of this Department.

CITY PROPERTY.

List of property to be kept in repair by this Department:

City Hall	1
New Courthouse	1
Old City Hall, (Water Department)	1
City Hall, Annex	1
City Jail	1
School Board Administration Building	1
Baltimore City College	1
Eastern Female High School	1
Western Female High School	1
Polytechnic Institute	1
Colored Polytechnic Institute	1
Grammar Schools	21
Primary Schools	35
English and German Schools	6
Annex Schools	20
Annex Colored Schools	12
Rented Schools	31
Market Houses	11
Halls over Market Houses	4
Engine and Truck Houses	31
Quarantine Hospital	6
City Morgue	1
Office at Drawbridge	1
Shed at Belair Lot	1
Enclosed City Yard	1
Old South Police Station	1
Total Number of Buildings	193

I regret to be compelled to report the city property, to a great extent, in poor condition. While I have used all the

appropriation allowed this Department for repairs, it fell far short of what was needed to do what might be termed compulsory work.

I have been compelled to rectify some conditions which could be considered little less than death traps. All the cause of culpable neglect on the part of some one, I have endeavored to search out, and make secure these serious conditions before entering into some lines of repairs which I might have done had not these extreme conditions come up. There is a great deal to be done before I can report all the city property in good condition. I herewith annex a detailed report of the various properties.

CITY HALL.

To the stranger visiting our city, the City Hall does not make as favorable an impression as would be expected from a place of such standing as Baltimore. While the style of architecture and its various proportions may be good, yet its dingy appearance and absolute need of renovation throws every good quality in the background. This is not so apparent to our own citizens, who are used to seeing the building daily and almost hourly, but severely so to one viewing the building for the first time. Considerable money would be needed to place this building in the condition it should be.

There are improvements that will be compulsory in the year 1901. The building in many places is suffering for paint, some of the woodwork needs to be renewed, and various other repairs are necessary. But the most serious condition is that of the heating plant. The plant here has been in constant use for years, and has been patched from time to time, until it can be said that it will be as much as can be expected to get through the present winter. Frequent complaints are made of insufficiency of heat in various parts of the building. Some offices are using gas stoves in addition to heating registers, and the Fire Alarm Telegraph room has never had any provision for heat whatever, The operators have been compelled to sit at their apparatus day and night with overcoats

on. This Department has been run with great inconvenience this winter, on account of some of the operators having taken pneumonia from this exposure.

This plant cannot be expected to hold out longer than the present winter.

NEW COURT HOUSE.

This being a new building, no repairs are needed, except such minor needs of heating plant. There may be some call for office partitions, necessary for the Boards occupying some of the rooms.

OLD CITY HALL.

This is an old building, and will need something done to it. Some time ago I spoke to the Mayor in regard to the bulged walls, and had instructions to rebuild them. This has not been attended to for want of funds, but work will commence shortly.

CITY HALL ANNEX.

This is a rented building, in fairly good condition, and occupied by a number of city officials. There is not that safety for records and papers there that should be. Should fire occur, it is more than likely that losses would be sustained, especially in the Health Department, that would be severely felt. A vault should be built for these papers and records.

CITY JAIL.

Possibly this building has been as much neglected as any other city building. The old cupola appeared to be in a dangerous condition, so much so that its removal was necessary. Removing this revealed other dangerous defects. The condition of the roof over the chapel building was so serious that all religious services had to be dispensed with for some time. In addition to this, the old water pipes had given away, and were damaging the building so much that renewal of pipes and fixtures were necessary. I went as far as the funds on hand would justify, but considerable remains

yet to be done. The condition of the stone walls is bad, and the entire building must be pointed up, as the weather is finding its way through, and some portions of the interior show considerable dampness. Warden Doyle has done considerable in helping this Department, and saved expense by using the prisoners to do work of repairs. It is my purpose, as soon as the weather will permit, to do the pointing of these buildings, and get the jail in good condition.

SCHOOL BOARD,

Madison and Lafayette Avenues.

This old house, which was in a very dilapidated condition, has been entirely renovated under the direction of the Mayor, and fitted up as offices for the School Board and its officers, and is known as the Administration Building.

BALTIMORE CITY COLLEGE,

Howard and Centre Streets.

At this building some work became necessary, not entirely in the nature of repairs. The large yard had never been paved, and it was necessary to put down asphalt blocks. This has been done to the great benefit of the college. Some of the outer windows had been left without wire guards, thus leaving the coat rooms exposed, and liable to depredations by thieves. This has been attended to, and also the rear pavement has been renewed with a cement pavement, to prevent damage to the walls.

Other work of less importance has been done to benefit the property.

There is a space left on the north side of the building which is of no use as a yard, and which is very unsightly in its present condition. This, I think, might be made a very nice garden plat, if the Park Commissioners were requested to make it such.

EASTERN FEMALE HIGH SCHOOL,

Aisquith and Orleans Streets.

This is a substantially built house; has been painted on outside; needs painting all through interior. It is heated by steam, but plant has so far run down as to make it difficult to run through the present winter. A new plant will have to be put in the coming summer. Considerable flooring has so far worn away from usage as will require renewal this year. The cellar should be paved, and other smaller repairs made.

WESTERN FEMALE HIGH SCHOOL,

Lafayette avenue and McCulloh street.

This is a comparatively new building, and needs but few repairs. The outside of building must be painted. This building is heated by Steam, and in connection with it are thermostats and air pumps, which in every place used by the city have been unsatisfactory. They are continually getting out of order.

COLORED FEMALE HIGH SCHOOL,

Saratoga, near Charles Street.

This is a three-story building, about 12 years old, needing some alterations and repairs. The first and second stories are very dark on east and west sides, and should be remedied in this respect. This large school has only common privies in the yard, with no sewer connection, which must be done away with, and flush closets substituted. This building needs painting, inside and outside, besides other smaller repairs.

POLYTECHNIC INSTITUTE,

Courtland and Saratoga Streets.

Some work has been done on this school, but not as much as it needed. The boilers were repaired, the outside painted and some smaller jobbing done. There is great need for sanitary closets. The interior of building should be painted and some new flooring be laid. There are annexes to this

school which were formerly old dwellings, but which are utterly unworthy of repair, and if the need for the rooms justify they should be torn down and proper buildings put in their places.

COLORED POLYTECHNIC INSTITUTE,

Fremont avenue and King Street.

Some compulsory repairs were made here, but nothing more done than could possibly be avoided, as it is an old dilapidated affair used for years as a grammar school, and would require rebuilding to make it a suitable school house.

No. 1 FEMALE GRAMMAR AND PRIMARY SCHOOL,

Greene and Fayette Streets.

Some compulsory repairs have been made at this school, but much additional work is still necessary. A sanitary closet system must be put in place of the present old privies which are dangerous to the health of the children and neighborhood. All the ventilators on the roof have so far decayed as to need entire renewing. Considerable flooring will have to be renewed, and the entire building, including outside brick walls, will have to be painted.

No. 1 MALE GRAMMAR AND PRIMARY SCHOOL,

N. E. Cor. Greene and Fayette Streets.

I found in this building a most dangerous condition on account of improper furnace work. It is a wonder this building has not been on fire. This matter has been rectified and the heating apparatus put in a safe condition. The closet arrangements are very bad, having an old privy in the yard. The odor is so foul as to cause the closing of the school windows on that side. This building will also have to be painted inside and out. Considerable new flooring will have to be put in this school.

The third-story of the building having been selected for the Teachers' Training School, considerable repairs have had to be made and are in progress now.

No. 2 GRAMMAR SCHOOL,

Bank and Broadway.

This building has been put in fair condition, and with the exception of some small repairs will need no expenditure this year.

No. 3 GRAMMAR AND PRIMARY SCHOOL,

High, near Fayette Street.

This is another school which had dangerous conditions from furnaces and so bad that the school was on fire, but fortunately it occurred one-half hour after school adjourned. I was compelled to go over the entire heating apparatus and completely renovate it. I was also compelled to run new sewer pipes and do away with the ones there, as the drainage was so improperly conducted as to be of no use. Other repairs have been made but considerable more will be needed this year. The cellar should be paved and building painted inside and outside.

No. 4 GRAMMAR SCHOOL,

Sharp, near West Street.

My predecessor had started an improved system of sanitary closets, etc., in this school, but was compelled to stop for want of funds. This I have completed, and the school now has a perfect closet system, which does away with the old yard privies. New floors must be put in this building, and it must also be painted inside and outside, also have some smaller repairs.

No. 5 GRAMMAR SCHOOL.

Eager Street and Greenmount Avenue.

This is an old building and not provided with proper conveniences. The scholars are obliged to keep their wraps with them for want of cloak rooms, and the house is heated with stoves. Considerable repairing and painting are necessary.

No. 6 GRAMMAR SCHOOL,

Divsion, near Lanvale Street.

Considerable repairing is needed and this building should have some metal ceilings.

No. 7 GRAMMAR SCHOOL,

Eastern Avenue and Patuxent Street.

This is a new school building, and is in good condition except needing painting on the outside and some few small repairs. The surroundings of this building should be improved, or it will be badly damaged from the flow of surface water. All of the adjoining lots which are unimproved have an incline towards this school, and the basement walls are considerably marked on the inside. This will grow worse and result in damage to the building, and will have to be remedied.

No. 8 GRAMMAR SCHOOL,

Hollins and Monroe Streets.

This school has been put in fairly good condition with the exception of the closets. These are what is known as the Smead system of dry closets, which is not satisfactory. A flush system will be adopted in place of this.

No. 9 GRAMMAR SCHOOL.

This is a rented building at 808 North Calvert street, and by no means fit for school purposes, and was until recently occupied in fourth story. The house is very much out of repair, and I do not think the city should go to the expense of changing it to suit school purposes. It is occupied by males and females, and has a small frame privy in the yard, and only one old closet in an old bath-room for the girls. The means of exit are entirely inadequate, and should fire or any alarm take place, serious results may follow.

No. 10 GRAMMAR SCHOOL,

William Street and Warren Avenue.

This is quite an old, two-story structure, and in addition to its poor arrangements for a school is much crowded. There had been a wood staircase leading from the second floor which acted as a fire-escape, but through great thoughtlessness of some one this was removed just previous to my term of office,

thus cutting off the most important means of escape in case of fire. I have erected an iron stairway from the street side to relieve this danger. Some repairs have been made, but more will follow this year. There is an old privy in yard which should be replaced by a better system of flush closets.

No. 11 GRAMMAR SCHOOL,

Bond and Jefferson Streets.

This school has had some repairs, but cellar should be paved, building must be painted, new floors laid and other smaller repairs. It is much crowded, and cloak-rooms are being used for class-rooms.

No. 12 GRAMMAR SCHOOL,

Ridgeley, near Fremont Street.

The heating apparatus has been placed in good order and some repairs made. The interior will be painted this year.

No. 13 GRAMMAR SCHOOL,

Aisquith, near Lexington Street.

General repairs have been made at this school, but there is an old privy in use, which is in a foul condition and dangerous to health. There must be a flush system installed in the building.

No. 15 GRAMMAR SCHOOL,

Carrollton Avenue and Lexington Street.

The heating apparatus in this school had to be completely renovated. The building had caught fire from its exceedingly dangerous construction, but it is now in safe condition. Considerable necessary repairs were made, and this year such others will be made as will place the building in good condition. It will also be painted.

No. 16 GRAMMAR SCHOOL,

Hall and Clement Streets.

Considerable repairs were made to this school; floors renewed and furnaces put in order, but other repairs must be made this year, and an entire new fence built.

No. 17 GRAMMAR SCHOOL,

Washington and Fayette Streets.

This is an old building, with cellar only under part of it. The first floor, resting on the ground, is in bad condition, and must be renewed. Some repairs have been made, but it will need considerable more this year. This is another school with an old, foul yard privy, and must have sanitary closets put in. The house also needs painting.

No. 18 GRAMMAR SCHOOL,

Harlem Avenue and Monroe Street.

This is a new building but not sufficiently heated. I was compelled to put in an additional furnace and make some repairs. It must be painted inside and outside, and, on account of some very inferior material used, it will need some new floors.

No. 19 GRAMMAR AND PRIMARY SCHOOL,

Park Avenue and Hoffman Street.

This is comparatively a new building, but I have made some necessary repairs. The Smead dry air system of closets is in use, but, like most others of this kind, are unsatisfactory, and need replacing with a flush system. Some new floors are needed.

No. 20 GRAMMAR SCHOOL,

Eden and Federal Streets.

Considerable repairing has been done in this school, a new exit made and additional means of lighting. This school should have an additional story and do away with the annexes condemned by me some time ago. New flooring will have to be put in this year and some other repairs made. The Smead dry air closets in use here are foul and should be replaced with the flush sytem. The building must be painted inside and outside.

No. 21 GRAMMAR SCHOOL,

Gilmor and Presstman Streets.

There were but few repairs made to this building. Considerable had to be done to yard to protect adjoining property

from drainage. Improvements for this year will be new front pavement, cellar paved and building painted inside and outside; also, new flooring in building, stairways renewed and a number of other repairs.

Stoves are now used, but should be done away with and building heated with furnaces.

No. 22 GRAMMAR SCHOOL,

Mulberry, Near Fremont Street.

This is quite an old building and much had to be done last year. The heating apparatus was exceedingly dangerous and whoever may have put it in deserves the severest censure. The lives of the occupants of this school were in danger, and the whole plant had to be taken down and put in a safe condition. The joists have rotted in the walls and have been secured temporarily until the coming vacation, when they will have to be renewed. Other repairs must be made; the old privy must be done away with and sanitary closets put in and buildings painted.

No. 2 PRIMARY SCHOOL,

Stiles and Gough Streets.

This is a very old, dilapidated building, hardly worth improving. I have been compelled to make some repairs that it might be used. If continued as a school, a great deal will be necessary to make it suitable. It has yard privies in a terribly foul condition, which would require entire renovation. The rooms are small, badly lighted, and miserably ventilated.

No. 4 PRIMARY SCHOOL,

Hanover and Lee Streets.

This is almost a new building, and has been recently painted. But little will be needed this year.

No. 5 PRIMARY SCHOOL,

Broadway and Ashland Avenue.

Some new floors were put in this building this last year, defective partitions secured, and where some dangerous con-

ditions of furnaces existed, they were made safe. Additional new floors and repairs will be needed this year.

No. 6 PRIMARY SCHOOL,

Ann street, near Canton Avenue.

This old building has been considerably improved inside by new floors, painting and other repairs. Outside painting will be done this year. There is another old privy in yard of this school which must be gotten rid of, and sanitary closets substituted. The condition of this old well is such as to require protest from the Health Department.

No. 7 PRIMARY SCHOOL,

Mullikin, near Aisquith Street.

Another old building, but the structure is quite substantial. Some repairs have been made, and water-closet rebuilt. I will put in some new floors, paint inside and outside, and also make some smaller repairs.

No. 8 PRIMARY SCHOOL,

Caroline, near Lombard Street.

This was another exhibition of gross recklessness on the part of some one, and I consider it fortunate that it was discovered, as it would have resulted sooner or later in disaster to the entire building. This building is possibly not more than eight or nine years old, but it was built with defective foundations and upon such soil and in such manner that walls and piers had slipped. I was compelled, at considerable cost, to make this building secure and safe. I have also laid a drain to this school to carry off surface water and closet matter, and will complete this work shortly. It will be necessary to put a cement pavement in the celler, and arrange a system of flush closets, and replace the furnaces that have been removed and thus do away with heating by stoves.

No. 10 PRIMARY SCHOOL,

Hollins, near Schroeder Street.

I found in this old building a very dangerous and unhealthy condition. The entire cellar was very damp and wet,

with but very little ventilation. There was also an open drain or gutter under this school, with running water from adjoining property. I had this water analyzed by the Health Department, and it was found to contain such impurities as to be detrimental to the health of the scholars. This serious condition has been rectified by enclosing sewer drains properly trapped. Other repairs have been made at the school.

I will put a cement payment throughout this cellar to prevent any dampness that may arise.

Since the schools resumed session after the Christmas holidays, word was sent me that one of the ceilings of the second story class-rooms had settled. Upon examination I found that not only the ceiling of the class-room unsafe, but all the ceilings of the second floor, which are of wood, were only supported by small mouldings at the angles of the walls. Such a condition cannot but bring forth the severest censure to anyone who may have been connected with putting in such work. The lives of the entire male department of this school might have been crushed out, as these ceilings were liable to fall at any moment, and the case was more aggravated from the fact that some one must have known of their unsafe condition, and instead of making them perfectly secure, put some few insufficient stays to them. This school must be painted this year, and some minor repairs made.

No. 11 PRIMARY SCHOOL,

Gilmor and Mosher Streets.

This building is in a very fair condition, with the exception of the interior painting, which will be done this coming year. The heating system, which was very defective, has been made entirely safe. This school has been on fire twice.

No. 12 PRIMARY SCHOOL,

Barre and Warner Streets.

Entirely new floors have been put in this school, and some other repairs made. I will be compelled to put in new sani-

tary closets, and lay drain to overcome an exceedingly dangerous and unhealthy condition. The heating of this school with stoves is an objection, and furnaces should be substituted.

No. 13 PRIMARY SCHOOL,

Patterson Park Avenue and McElderry Street.

There was but small amount of repairs done at this school. The furnaces were overhauled and put in good condition. It must have this year some new floors, and paint on inside woodwork and walls. The Smead closets of this school work better than those of other schools where used.

No. 14 PRIMARY SCHOOL,

Linden Avenue and Wilson Street.

Considerable work has been done in this school, such as putting down new floors, painting interior walls and woodwork, overhauling the old furnaces and putting in new ones. Additional new floors and repairs will be needed this year.

No. 15 PRIMARY SCHOOL,

Carrollton Avenue and Saratoga Street.

Some repairs have been made and pavements relaid. Some new partitions, fire escape, new floors, sanitary closets and other repairs will be attended to this year.

No. 16 PRIMARY SCHOOL,

Ashland and Harford Avenues.

The furnaces of this school were put in proper condition, and the heat pipes, which were against wood partitions and not considered safe were put into brick flues. There must be put in this year some new floors, the outside and inside painted. The cellar should be paved and some small repairs done.

No. 17 PRIMARY SCHOOL,

Light and Poultney Streets.

This is an old building, poorly lighted and ventilated. They are compelled at times to use gas during the day. The old

privies in yard are a menace to health, and a sanitary system must be adopted. Some repairs have been made, and flooring renewed in the entire school. The entire house inside and outside must be painted.

No. 18 PRIMARY SCHOOL,

Argyle Avenue, near Lanvale Street.

This is a substantial structure, but the first story is dark on account of a narrow space on the side. Some repairs have been made, and new fences put up. It will require additional repairs. It is heated now with stoves, but should be changed to furnaces.

No. 20 PRIMARY SCHOOL,

Eden and Preston Streets.

This school has cellar only under part of building. Some smaller repairs have been made. It must be painted inside and outside, and new floors put in about seventeen class rooms. Metal ceilings should be put up, and an additional furnace is needed.

No. 21 PRIMARY SCHOOL,

Pennsylvania Avenue and Robert Street.

Entire new floors have been put in this school, and class-rooms enlarged by removal of partitions. This is a well-lighted and ventilated building. The heating with stoves should be done away with and furnaces installed. There are no toilet accommodations for the teachers. The building will be painted, and some minor repairs made which are necessary.

No. 22 PRIMARY SCHOOL,

Ramsay and Scott Streets.

This school was badly in need of repairs, but has been put in good condition and entirely renovated by painting, white-washing, flooring, etc. There was an old privy in yard which was not only detrimental to the school, but was frequently protested against by the neighborhood. This has been done away with and a sanitary system installed, which has given great relief to all. The only trouble about the building is poor means of ventilation.

No. 23 PRIMARY SCHOOL,

Gough and Wolfe Streets.

This school has also been put in good repair by renewing floors, repairing, overhauling furnaces, and other repairs to structural part of building, but it must be painted inside and outside.

No. 24 PRIMARY SCHOOL.

Fait Avenue and Patuxent Street.

This is a building erected about eight years ago, and has been completely renovated by painting inside and outside, and doing such repairs as were needed. There may be some new flooring needed this year, as it shows severe wear.

No. 25 PRIMARY SCHOOL,

Bond Street, near Canton Avenue.

This building required quite a large amount of work. A great deal of flooring had to be removed. Painting inside and outside, and many other repairs done. This school suffered greatly from depredations from some low class of people committing nuisances in the vestibules and areas. To obviate this the iron railings were removed, and a substantial wood fence put on the building line. This had the desired effect, and the building now is in good condition. The sanitary arrangements are very much affected by the action of the tide. This will have to be remedied.

No. 26 PRIMARY SCHOOL,

Orleans, near Bond Street.

Some new floors have been put in. This is a very dark building on account of the close proximity to adjoining property. This could be greatly improved by securing the adjoining property. The cramped-up yard is a serious inconvenience to the school, and the old privy in this small space and almost adjoining the school emits such a foul odor as to be very dangerous to health. This must be remedied. This school will need this year additional new floors, some repairs, and it must be painted.

No. 27 PRIMARY SCHOOL,

Fayette and Chester Streets.

But little was done to this school last year, but not for the reason that it did not need it. Here is a case where it might seem cruel, if not inhuman, to hold some parts of this school. The overcrowded condition of this school has forced the use of several rooms in what is called the basement, but should be known as the cellar. One of these rooms has its floor five feet below the pavement level, and receives its ventilation from a coal hole, and compulsory lighting with gas is sufficient to awaken the severest indignation and criticism. Proper additions should be made. A new sanitary flush system of closets is required, and a number of new floors will be put in this year in the upper part of the building.

No. 28 PRIMARY SCHOOL,

Battery Avenue and Clement Street.

Some new floors, a storm vestibule, and small repairs have been made to this school; much will have to be done this year. In the girls' yard the old privy is but six feet from the school, and in the boys' yard it adjoins the building. The condition of these privies is extremely foul and the stench almost unbearable. A different arrangement must be made with sanitary closets. The heating with stoves should be done away with and furnaces put in. The interior of this house must be painted. A defect in this building is that there are no cloak rooms, and it is very bad when thought of that the wraps, etc., no matter how wet they may be, must be carried into the class rooms.

No. 29 PRIMARY SCHOOL,

Sharp, near West Street.

Some compulsory repairs have been made to this building and the furnaces put in proper condition. The cellar should be paved and fence around entire lot rebuilt.

No. 30 PRIMARY SCHOOL,

Hollins, near Monroe Street.

In this school the condition of the register openings from heating plant were dangerous and had to be changed, and the furnaces were overhauled. A retaining wall was built in yard to protect property and some other repairs done. The interior must be painted. The exit from second-story of this school is improper and must be remedied.

ANNEX TO No. 30 PRIMARY SCHOOL,

Hollins, near Monroe Street.

This is almost adjoining the preceding school. Heating apparatus had to be overhauled and registers made safe. Some other repairs were made. The building must be painted and proper exits made.

No. 31 PRIMARY SCHOOL,

Schroeder and Pierce Streets.

This house is in good condition, except it needs painting, which will be done this year. There is not enough yard room to this school.

No. 32 PRIMARY SCHOOL,

Guilford Avenue and Lanvale Street.

A new furnace was put in this school, and other furnaces repaired and put in order. Some other repairs were made. A retaining wall built and new fencing and paving done. Some new floors will be put in and inside of school painted.

No. 32 PRIMARY SCHOOL,

Light and Clement Streets.

This building was painted on the outside and iron gates placed at front entrance to prevent the depredations occurring there almost every night. The interior will be painted this year, some floors put in and necessary repairs made.

No. 34 PRIMARY SCHOOL,

Columbia Avenue and Carey Street.

This is a large two-story building, nearly new and in very good condition. Some overhauling of furnaces was necessary and was done.

No. 35 PRIMARY SCHOOL,

Hanover and Winder Streets.

Comparatively a new building, in fair structural condition. The outside was painted and some small repairing done. Must paint interior wood-work and walls this year.

No. 36 PRIMARY SCHOOL,

2223 E. Baltimore Street.

This is a rented building and badly in need of repairs. It would cost nearly one thousand dollars to repair it, and then would not be a suitable school building. The old privy in yard has been objected to by the Health Department.

No. 37 PRIMARY SCHOOL,

Patterson Park Avenue and Biddle Street.

This is a new building, and in good condition. The interior has been done up, and the walls tinted, so the Municipal Art Society can decorate them.

No. 38 PRIMARY SCHOOL,

Chesapeake and Hudson Streets.

This is quite an old building, and has been painted outside and inside; new pavements put down, and some other repairs made. While the house is in good repair, yet it is very unsuitable for a school. The rooms are very small, and poorly ventilated. It is heated with stoves.

No. 39 PRIMARY SCHOOL,

Carrollton and Riggs Avenues.

The school building is in very fair condition structurally. The furnaces overhauled and changed to more properly heat the school; cellar should be paved, and sanitary closet system put in basement, and do away with present old privy in yard, which is in a foul and unhealthy condition.

No. 40 PRIMARY SCHOOL,

Eastern and Montford Avenues.

Some unsafe conditions of furnaces existed in this school, which have been made safe. The cellar should be paved;

some new floors must be put in; also some metal ceilings. The interior will be painted, and some smaller repairs made.

No. 1 ENGLISH AND GERMAN SCHOOL,

Pennsylvania Avenue and Dolphin Street.

This building was used by the Baltimore City College previous to occupying their new building. The flooring was of an inferior quality and had to be renewed to a great extent. The building required painting on outside; the furnaces were overhauled and some very dangerous conditions found, and water was introduced in the school. Painting on inside will be necessary, and twenty-two rooms will have to be refloored this year.

No. 2. ENGLISH AND GERMAN SCHOOL,

Charles and Ostend Streets.

Considerable flooring was renewed, the chimneys rebuilt and pavements repaired. One new furnace put in, the other repaired and quite an amount of other repairs made. Some additional floors will have to be renewed, which will make this school in fair condition.

No. 3 ENGLISH AND GERMAN SCHOOL,

Baltimore and Aisquith Streets.

This is one of the largest schools in the city, consisting of one large central building, built for school purposes by the city, a large old dwelling-house on west side owned by the city, and a large old dwelling on east side rented by the city.

The central building has a very poor heating plant, which was patched up to make it last during this winter, and the interior of this house was painted. This central building is in fairly good condition, except the heating apparatus, which must be renewed this year, and the old privy in the yard, which should be done away with, and a proper sanitary system adopted.

The west building is in a very dilapidated condition and would cost from ten to twelve hundred dollars to put in order.

It would then be poorly adapted to school purposes. It should be torn down and a good annex building erected. The east building is also in a dilapidated condition, and it would cost at least one thousand dollars to repair it, and would not then be suitable for a school.

There are nearly twelve hundred children attending this school, and the closet arrangements are exceedingly poor. We were compelled to make sewer connections to relieve the bad conditions.

No. 4 ENGLISH AND GERMAN SCHOOL,

Chase and McDonogh Streets.

This building is heated with two Smead heaters and six portable furnaces. The Smead apparatus has been repaired, but the portable furnaces were found to be in a terrible condition, so much so that four new ones had to be put in. Some new floors were put down and other repairs made. Some of the corridor partitions supporting the second floor have sprung and appear defective; this will require attention. The cellar is partly paved and should be finished. Additional flooring will be put down, stairs repaired, and pavement in yards graded and relaid.

No. 5 ENGLISH AND GERMAN SCHOOL,

Lexington and Fremont Streets.

There was some small repairs made here last year, but there will be required this year some work to make this building what it should be. There was some defective construction in putting up the brick front, which must be attended to. The Smead dry air closets are defective and must be either remedied or replaced with a more perfect system. The interior must be painted, vestibule doors put up, and a number of repairs made.

No. 6 ENGLISH AND GERMAN SCHOOL,

Ramsay and Smallwood Streets.

This is comparatively a new building, but extremely poorly built. Some very dangerous conditions existed about furnace

work but have been altered. Some of the woodwork had been charred and the school was liable to burn at any time. New storm vestibules have been put up. Considerable money must be expended on this building to keep it from going to pieces. The brick arches have already commenced to break and fall and several settlements have appeared. Considerable new flooring will have to be put down and the interior work overhauled. It must be painted inside. The yard and pavements have been improperly constructed and the condition causes a nuisance, about which the Health Commissioner has made complaint several times. A retaining wall of about four hundred feet will have to be built, and the entire yards regraded and repaved.

No. 2 COLORED GRAMMAR SCHOOL,

Jefferson, near Caroline Street.

This is an old building, to which some compulsory repairs were made last year, but its condition is still very bad. There is no cellar to this house, and the joists have rotted, so that the floors are resting on the ground. Brick privies in the yard are very foul. They are inadequate for the needs of the school. Teachers have no toilet accommodations. Considerable money must be spent in putting it in repair—laying new joist and floors and painting.

No. 3 COLORED GRAMMAR SCHOOL,

Howard and Montgomery Streets.

Another old building in poor condition. Some compulsory repairs were made, but we were unable to do all that was needed for want of funds. Brick privies in yard are in bad condition and must be remedied. Interior repairs needed, brick pavements in yards must be renewed, and fences will have to be renewed.

No. 2 COLORED PRIMARY SCHOOL,

Rogers Avenue, near Lexington Street.

This school was in bad condition. Put down new floors in entire school and made other interior repairs. Repaved yards,

rebuilt chimneys and painted roof. Will paint building this year. The privies in yard are detrimental to health and must be changed in some way.

No. 3 COLORED PRIMARY SCHOOL,

Hill, near Sharp Street.

This is a large three-story, nearly new, school house, but needed considerable done. The walls and woodwork were exceedingly defaced and dirty and had to be painted. The furnaces and registers were unsafe in some places and had to be made secure. There has been considerable trouble at this school from falling ceilings, which will have to be removed in about fourteen rooms, and either wood or metal put up. The cellar should be paved.

No. 4 MALE COLORED SCHOOL,

Druid Hill Avenue and Orchard Street.

This is quite an old building, at which considerable had to be done in repairs. The old brick privies collapsed, and were rebuilt, and sanitary closets were put in, and some fences rebuilt. Much remains to be done. New floors are needed, other fences to be renewed, new stairways put up, brick walls repaired and painting must be done.

No. 4 FEMALE COLORED SCHOOL,

Biddle Street, near Pennsylvania Avenue.

Nothing was done to this school. This year will put in new floors in ten rooms, paint inside of building; rebuild chimneys. The building is heated by stoves, and has brick privies in yard.

No. 5 COLORED SCHOOL,

Caroline, near Bank Street.

This is a very old schoolhouse, not fit for a school on account of ventilation. New floors were put in, roof repaired, chimneys rebuilt and other repairs made. It needs painting badly.

No. 6 COLORED SCHOOL,

Barre and Eutaw Street.

This school is in a dirty condition, and little was done last year. The third story is not used, as there are doubts of its safety. Have heard that this building has been condemned. It is my purpose to make close examination of the building, and if found dangerous to insist on vacating it. It may be that it can be made secure by removing the third story and strengthening the other two stories. The old privies in the yard are very offensive.

No. 7 COLORED SCHOOL,

Wasche, near Fremont Street.

It is surprising that in some of the schools destruction of property is allowed to go on. In this school-yard the boys had nearly destroyed the brick closet, which had to be rebuilt. There was an unsafe condition with some parts of the furnace work, which has been made safe. Some other repairs were made. Will paint this building inside and outside, and put in some new floors. Cellar should be paved.

No. 8 COLORED SCHOOL,

Bond Street and Ashland Avenue.

This is an old two-story building unfit to be used as a school on account of the very small rooms and bad ventilation. With reluctance I was obliged to make repairs and paint this house.

No. 9 COLORED SCHOOL,

Carey and Chappel Streets.

A three-story building erected about four years ago. Some minor repairs were made, and the outside was painted. It should be painted inside. It has a good closet system, but not large enough for the school. The thermostats and electric fans are out of order, and like all other places where in use, continually getting out of order.

No. 10 COLORED SCHOOL,

Girard, near Greenmount Avenue.

This school was built about six years ago. Some small repairing was done, and the Smead heating apparatus required some overhauling. Will have to put in some new flooring, paint outside and inside of building, and build a retaining-wall in the west yard.

No. 1 ANNEX SCHOOL,

Gorsuch Avenue and Tyler Street.

There was a new fence built this year, and brick pavement in yard was relaid. Considerable needs to be done yet. Must be painted outside and inside, metal ceilings needed, and furnaces should be put in place of stoves. Building has been on fire several times. Privy in yard is only twelve feet from building, and very foul and offensive. Must change it.

ANNEX TO No. 1 ANNEX,

Washington and Harrison Streets.

This is a rented building; a small frame dwelling house with only a small stairway. This house should not be used for school purposes, it has not proper means of exit, and in case of fire during school hours, it would be impossible for all the very small children to escape.

No. 2 ANNEX SCHOOL,

York Road and Gorsuch Avenue.

New fence was built, new well dug to relieve the old privies, and some small repairs were made. Many repairs will have to be made, new floors put in, new ceilings put up, and house painted.

No. 3 MALE ANNEX,

Oak and Twenty-fourth Streets.

Only a few repairs were made, but will make further repairs this year. Paint inside and outside, put in new floors, and new ceilings in eight rooms.

No. 3 FEMALE ANNEX,

St. Paul and Twenty-sixth Streets.

A very good three-story building. Will have to paint roof. The thermostats and fans do not work, and a tempering coil will have to be put in.

Nos. 4 AND 6 ANNEX,

Chestnut Avenue and Sixth Street.

Some small repairs were made last year, but will require considerable this year, such as new floors, new kerb, painting inside and outside, and renewing the roof. Some new ceilings will also be necessary.

No. 7 ANNEX,

Woodberry Avenue.

New floors were put in this school, a new metal ceiling in one room, new fences put up and heating put in proper order. The brick privies are too close to school, and the offensive odor will compel removal. Some new ceilings will be required.

No. 8 ANNEX,

Francis, near Retreat Street.

This school was painted on outside, Smead furnaces repaired, new fence and retaining wall built. It will require painting inside, new storm doors, new floors and some small repairs.

BRANCH TO No. 8 ANNEX SCHOOL,

Clifton Street, near Pennsylvania Avenue.

This is an old brick building in a very dilapidated condition. There were some compulsory repairs made so school could be opened, but will have to be rebuilt if continued as a school.

No. 9 ANNEX SCHOOL,

Bloomingdale Road.

General repairs have been made, new fencing put up, building painted on outside, and school is in fair condition.

No. 10 ANNEX SCHOOL,

Old Frederick Road.

Some of the joists had rotted and were replaced, and changes made in closets. Much is needed at this school. New iron smoke-stacks, new flooring must be put in, and a general overhauling must be done.

No. 11 ANNEX SCHOOL,

Millington Avenue and Lehman Street.

There was some repairing done to this school, but it will have to be painted outside and inside; the roof must be overhauled, some new floors put in and part of the yard repaved.

No. 13 ANNEX SCHOOL,

North Avenue and Washington Street.

Small repairs were made here; furnaces repaired, and one new one put in. Will require painting outside and inside; also several metal ceilings. Some changes must be made to grades of yard pavements in yards.

No. 15 ANNEX SCHOOL,

Walbrook Avenue and Tenth Street.

All the outside of this school was painted; the closet system was enlarged to suit needs of the school, and some small repairs made. Needs brick pavement in front, rear and yards.

No. 16 ANNEX SCHOOL,

Huntingdon Avenue, near St. Paul Street.

Minor repairs were made and furnaces put in good condition. The Health Department requested some changes in old brick privy in yard. Will do away with this and put in improved sanitary system.

No. 17 ANNEX SCHOOL,

Old Frederick Road.

Some defects in roof were made right and furnaces put in good order. Will paint outside and inside, put in new floors, put up new fences and make some necessary repairs.

No. 18 ANNEX SCHOOL,

Linden Avenue and Konig Street.

This is a comparatively new building and nicely kept. Some minor repairs were made and new water supply put in, but the heating is defective on account of the electric fans not working. These are giving trouble and getting out of order continually in every place where used.

No. 19 ANNEX SCHOOL,

Merryman's Lane and Church Street.

This is an old frame school house. Some repairs were made, but much will have to be done this year to put it in good condition. A well must be dug to remedy the present defective privies. Stoves are used for heating.

No. 1 COLORED ANNEX SCHOOL,

Merryman's Lane and York Road.

This is an old frame building in which floors were defective and had to be repaired, roofs and spouts renewed and other repairs made. Additional water closets are much needed, as there is only one now for the entire school. The whole building must be painted.

No. 2 COLORED ANNEX SCHOOL,

This is an old unoccupied city building.

RENTED BUILDINGS.

There are thirty-one rented buildings of various kinds used by the city for school houses, the majority of which are not only unfit for the purpose, but from their condition and manner of construction are calculated to injure the health of those attending them. Four were condemned by the Inspector of Buildings as unsafe, one was partly strengthened, but two are still occupied as schools and are in a very dangerous condition. Unless the schools of these two buildings are removed shortly, notice will be sent to the School Board to vacate them.

There have been several rented buildings, not included in the above number, that were vacated by the former School Board, but this Department was compelled to pay for repairing them before owners would accept them. The manner and terms of the leases of rented buildings, as made by former School Boards, were an imposition on the city. These leases invariably called for repairs to be made by the city, and as almost all of the rented buildings now are a continuation of those leases, the city in addition to paying high rents for the premises is also obliged to make all repairs, even those that occur from natural wear and tear of property, and in every case where rented property is vacated the city is obliged to arrange for complete renewal before being released.

While the rented property is far from being in good condition, yet it has cost for repairs last year $2,120.70. The condition of the rented buildings generally is extremely bad.

ENGINE HOUSES.

The engine and truck houses had equally as much neglect as the school buildings, and there were a number of conditions existing that were far from being creditable to whoever may have been responsible.

No. 1 ENGINE HOUSE,

Paca, near Fayette Street.

New floor was put down, new stalls built, plumbing altered and ventilator put up. There was a pipe bursted under the old floor that had been apparently that way for a long time, as it had washed away a great deal of the earth just where the engine stands. This has been secured. The hose-tower must be enlarged, the bath-rooms should be renovated and better fixtures put in.

No. 2 ENGINE HOUSE,

Barre and Sharp Streets.

A new floor and front door were put in, stalls rebuilt and other repairs made. The rear part of this house is so much

decayed and settled that it will have to be rebuilt. The rear yard should be paved, and the house painted inside and outside.

No. 3 ENGINE HOUSE,

Lombard, near High Street.

Only some small repairs were made to this house. The manure pit which is inside the first story must be changed, as the odor from it penetrates the entire building.

No. 4 ENGINE HOUSE,

Lexington, near North Street.

Some small repairs were made to this house, but it needs doing up in the way of painting, remodeling bath-room and fixtures.

No. 5 ENGINE HOUSE,

Ann, near Lombard Street.

Considerable work has been done to this building on account of the floors having rotted, and improper waste pipes. The old wood wainscoting had also rotted and was replaced with cement, and the stalls were all rebuilt. This building is not as substantial as it should be, and to relieve its weak condition it will be well to remove the third story. The front will have to be rebuilt on account of its dilapidated condition; the doorway is too narrow for the three horses used in the engine, and must be made larger. There is not sufficient bath and toilet room convenience for the two companies stationed there. This must be enlarged. Much needs to be done to place this house as it should be.

No. 6 ENGINE HOUSE,

Gay and Ensor Streets.

This house required considerable expenditure; old rear cellar was filled, cement payment put in stable, stalls rebuilt, bath-room and closets put in sanitary condition. A new floor became necessary in the main building, as the joists were badly

rotted, and it is a great wonder the engine and horses had not fallen through to the cellar. This house is now in very fair condition.

No. 7 ENGINE HOUSE,

Eutaw Street and Druid Hill Avenue.

The decayed wood floor in the rear was removed and cement put in its place. The joists of the front part were strengthened by putting a girder under them, and new wood floor put in the front part. The bath-room was altered and the building put in fair condition, except painting, which must be done this year.

No. 8 ENGINE HOUSE,

Mulberry, near Schroeder Street.

New front doors had to be put to this house, the roof repaired and other smaller work done. The bath-room will have to be remodeled and the hose-tower changed.

No. 9 ENGINE HOUSE,

Madison Street, near Broadway.

The bath-room was enlarged, and new fixtures put in, the water supply was increased, the stalls and floors repaired. There must be some other repairs made, but not of any great amount.

No. 10 ENGINE HOUSE,

Columbia Avenue, near Poppleton Street.

The condition of the old well at this house was so bad that a drain had to be run to a sewer. Some repairs and papering were done. This house will need a new roof, a ventilator must be put in bunk-room, the wainscoting that has rotted must be renewed, and the bath-room must be remodeled.

No. 11 ENGINE HOUSE,

Eastern and Patterson Park Avenues.

The grade to the entrance here was such as to cause water to flow towards the house. This had to be changed. Stall floors were repaired and some smaller repairs done. The

sides of the stalls will have to be renewed, the hose tower enlarged, the bath-room renovated and an entire brick pavement must be laid.

No. 12 ENGINE HOUSE,

Fort and Riverside Avenues.

This house was in a terrible condition. The joist and floors had rotted so badly as to be entirely unsafe for the apparatus and horses. The cellar was in such a foul condition that it was totally unfit for occupancy. This has been made good by filling most of the cellar and putting down cement pavement. This house has been painted and repaired so as to make it in good condition.

No. 13 ENGINE HOUSE,

Fremont and Myrtle Avenues.

The improper condition of the well and drain of this house caused considerable sickness among the occupants. A new sewer pipe was run in and the unhealthy conditions removed. The floors and joists of this house had badly rotted, so much so as to be dangerous. These were renewed and the building put in good repair. It must be painted inside this year, and a ventilator put over the dormitory.

No. 14 ENGINE HOUSE,

Hollins and Monroe Streets.

Only some minor repairs have been made to this house by renewing stalls, etc. Quite an amount of repairs are needed, and the hose tower should be enlarged. A ventilator must be put over the dormitory. The wood wainscoting on the first floor has rotted and will be replaced with cement. All outside and inside work must be painted. The drainage from stalls now empties into the gutters in front; this must be changed, as many complaints are made against it. A new cement pavement is necessary in front, and the side lot should be paved with asphalt blocks.

No. 15 ENGINE HOUSE,

Lombard, near Howard Street.

This is a very much crowded building and should have another story added for a dormitory. The present one is entirely too small for the large number of men there. Additional toilet facilities must be put in. Considerable work has been done here and house has been painted.

No. 16 ENGINE HOUSE,

Foot of Thames Street.

This is a corrugated iron building, used by the fire boat, and only needed some slight repairs. It is in good condition.

No. 17 ENGINE HOUSE,

Fort Avenue and Haubert Street.

Considerable work was necessary in repairing this building. A sewer was laid to obviate a nuisance of long standing that had caused much sickness. The house was painted throughout. A new repair pit was built and stalls were made good. Some additional work may have to to done to closets.

No. 18 ENGINE HOUSE,

Twenty-first Street, near Maryland Avenue.

Some work was done but not enough to put in complete order. Repairing stalls, repairing roof, some plumbing and cement floors, but building must be painted throughout and additional repairs made.

No. 19 ENGINE HOUSE,

North Avenue and Bond Street.

Plumbing was repaired in this house, stalls repaired and dormitory papered. This building is in good condition but should have ventilator over sleeping apartment. It has been painted recently.

No. 20 ENGINE HOUSE,

North Avenue and Tenth Street.

This is one of the newer buildings, but has had some repairs, such as plastering, plumbing, house and stall floors renewed.

It needs painting outside and inside; the dormitory must be papered, roof must be overhauled, a lookout tower must be put up and some alterations made in rear.

No. 21 ENGINE HOUSE,

Roland Avenue and Oliver Street.

This was the last house built, but the rotting out of the first floor, which was not properly laid, necessitated an entire new floor in the first story. The construction of the stalls over the cellar was not right and had to be rearranged to preserve the building and guard health. Changes also had to be made in the plumbing. Some papering will be needed.

No. 1 TRUCK HOUSE,

Harrison, near Fayette Street.

This is quite an old building which has needed some repairs to stalls, floors and windows. The structural part of this house is quite substantial. The bath and toilet room should be improved, and new window frames put in front. The old cesspool was a serious menace to health, but had been so drained and fixed as to relieve the situation.

No. 2 TRUCK HOUSE,

Paca, near Fayette Street.

This company is in building with No. 1 Engine.

No. 3 TRUCK HOUSE.

Ann, near Lombard Street.

Is in same building with No. 5 Engine Company.

No. 4 TRUCK HOUSE,

Biddle, near Druid Hill Avenue.

There were new floors put in, the wall was cemented and general repairs made to stalls. The cement pavement in front must be renewed and some small repairs done.

No. 5 TRUCK HOUSE,

Aisquith Street.

This house had new doors and repairs made to stalls and floors. It must have a general overhauling. Roofing and spouting will have to be renewed, sills of windows have rotted and the house has very poor toilet arrangements. The drain pipes are so badly constructed as to cause a terrible condition in the cellar. This must be rectified. Considerable outlay will be necessary in this house.

No. 6 TRUCK HOUSE,

Hanover and Ostend Streets.

This comparatively new house had run down as fast as any public building on account of poor workmanship. It has been placed in perfect condition at considerable cost, and will need but little in the way of repairing stall floors for a long time.

No. 10 TRUCK HOUSE,

Lafayette Avenue, near Stricker Street.

This was the last truck house built, and is a combination house, the front being for the apparatus and a large hospital in the rear. Considerable work was necessary here, such as repairing roofs, stalls and painting inside and outside. The building is now in very good condition.

No. 11 TRUCK HOUSE.

This company is at present quartered at No. 18 Engine pending the building of their new house, which was commenced in December, 1900, and will be completed in July, 1901.

No. 1 CHEMICAL ENGINE HOUSE,

Brunswick Street.

This is an old building, formerly used as a county engine house. It is very poorly arranged and needs considerable repairs. Some papering has been done, stall floors repaired and other small repairs made. To do this as it should be would require considerable expenditure of money.

No. 2 CHEMICAL ENGINE HOUSE,

Mary, near Clifton Street.

This is another old county engine house, and in a dilapidated condition. Some few repairs were made, but a great deal will have to be done this year to make it suitable for occupancy.

No. 4 CHEMICAL ENGINE HOUSE,

York Road.

Some few repairs were reluctantly done here. This house is unsafe and should be torn down. It will require the greatest care on the part of the driver on going out of this house, as the least accident may throw the entire building.

No. 5 CHEMICAL ENGINE HOUSE,

Gorsuch Avenue, near Harford Road.

This is an old county engine house, in bad condition. One of the walls of this house was taken out by some former inspector, but the others are giving away and must be removed and rebuilt, and a number of repairs made.

No. 6 CHEMICAL ENGINE HOUSE,

Belair Avenue.

A very old building which is hardly worth spending money on. Some few repairs were made that were compulsory for occupation. If continued to be used, this place must be rebuilt.

MARKET HOUSES.

This Department has had frequent complaints on account of the bad condition of the markets, especially of the pavements, but has been powerless to relieve the difficulties on account of no money available. It is the intention to rectify all the serious conditions as the weather will permit.

Canton Market—Some repairs were made in patching the pavement and plumbing. The roof will have to be overhauled and the entire market must be painted. The pavement will have to be repaired.

Broadway Market—A portion of this market has plastered ceilings which were in a filthy condition. These have been whitewashed and cleaned, and the roof and plumbing has had some repairs. The remaining brick pavements must be removed and concrete ones put down, and the entire house must be painted.

Centre Market—This has four sheds. The tin work was so far gone from neglect and improper care as to require considerable work. It had so badly rotted as to require new sheathing to be put on. The throwing of dirt and refuse on the market roofs should be strictly forbidden under penalty. Where the old brick pavements still remain, concrete should be put down and the entire market painted.

Northeast Market—The roof of this market was in such decayed condition for so long a time as to be useless in bad weather. A contract has been made for new roof and repairing the structural part. The brick pavements are in need of some repairs, and if possible will be replaced with concrete.

Richmond Market—This market is the source of much complaint on account of the constant undermining of the brick pavements by rats. Some accidents have been reported and it is the intention to replace the brick pavement with concrete. An old well on these premises was causing much trouble by overflow into the street. A drain has been run which has successfully obviated the trouble. The market must be repaired and painted.

Lafayette Market—Like the Richmond Market this one has caused considerable expense in continually repairing brick pavements that are being destroyed by rats. Concrete pavements will be put down here also. The house needs general repairs and must be painted.

Lexington Market—This has three sheds, and some repairs to roof were necessary. The plumbing was also made good. One of these sheds will have to be painted, whitewashing done and some repairs made.

Hollins Market—There has been more complaint from this market than any other one, owing to the same condition of the pavements as at Richmond and Lafayette. Concrete pavement will be put down here. Some repairs were made to the house and plumbing.

Hanover Market—Like some of the others, the brick pavements must be done away with for the same reason, and concrete used. Many repairs must be made and the house painted.

Cross Street Market—The roof had to be repaired and some other repairs made. The market must be painted. A great deal of refuse is allowed to be thrown on this roof, which is very injurious.

Belair Market—The roofing and spouting here had general repairs; some of the work was also made good Some damage was done by carelessly backing up wagons.

HALLS.

Cross Street Hall—This hall is in fairly good repair.

Hollins Hall—Only some small repairs are wanting at this place.

Broadway Hall—This is in good condition.

QUARANTINE.

This Station has been very much neglected, in consequence of which a great amount of work had to be done to the six buildings there.

The physician's residence, hospital, workman's house, disinfecting building and stable had to be extensively repaired. In addition to the above, a new boat-house had to be built to replace the one that had blown down. All these buildings have been painted, and the Station now is in good order.

CITY MORGUE.

Some repairs were made to the roof and spouting at this place. Some additional work will be necessary, as the building is cracking from settlements. It will also need painting.

OFFICE AT DRAWBRIDGE.

This is a small office, to which some repairs were made, but it is in such shape as to require new house.

BELAIR LOT.

The repairs made here were to an old storage shed used by the City Engineer.

OLD CITY YARD.

This Department made some repairs to fencing at this lot.

OLD SOUTHERN POLICE STATION.

There were some repairs made to this old building. It is considerably out of repair, but will keep it from becoming dangerous, as it is not being used for any city purposes.

Respectfully submitted,

EDWARD D. PRESTON,

Inspector of Buildings.

TABLES.

TABLE

Showing the Appropriations and Disbursements for the Year 1900.

Account.	Appropriations.	Expenditures.	Balance.
Repair City property, consolidated	$120,000 00	$116,250 00	$3,750 00
Building No. 7 Grammar School, (Reserve)	2,425 25	2,425 25	.....
Baltimore City College	2,400 00	2,304 18	95 82
Building No. 11 Hook and Ladder Company	24,295 32	8,058 41	16,236 91
Emptying cess-pools	600 00	588 00	12 00
Incidentals	500 00	500 00	.....
Livery and transportation	500 00	437 75	62 25
Salaries	11,625 00	11,625 00	.....
	$162,345 57	$142,188 59	$20,156 98

TABLES

Showing Expenditures on Various Properties.

City Hall	$3,124 03
New Court House	1,924 72
City Jail	9,797 92
Old United States Court House	139 16
Temporary Court House	4 12
Baltimore City College	2,901 71
School Board Building	4,684 34
Eastern Female High School	970 08
Western " " "	258 25
Colored " " "	641 46
Polytechnic Institute	1,424 85
Colored Polytechnic Institute	277 03
No. 1 Female Grammar School	1,581 90
" 1 Male Primary and Grammar School	1,527 45
" 2 Grammar School	636 97
" 3 Primary and Grammar School	2,052 07
" 4 Grammar School	1,448 53
" 5 " "	540 20
" 6 " "	1,777 64
" 7 " "	143 27
" 8 " "	904 06
" 10 " "	1,288 38
" 11 " "	919 05
" 12 " "	671 20
" 13 " "	320 73
" 15 " "	1,686 64
" 16 " "	1,331 49
" 17 " "	556 20
" 18 " "	838 38
" 19 " "	473 24
" 20 " "	671 62
" 21 " "	409 77
" 22 " "	1,672 80
" 2 Primary "	450 46
" 3 " "	143 64
" 4 " "	240 85
" 5 " "	1,137 97
" 6 " "	1,229 98
" 7 " "	481 88
" 8 " "	1,568 69
" 10 " "	600 60
" 11 " "	1,774 47
" 12 " "	671 37
" 13 " "	201 83
" 14 " "	1,845 51
" 15 " "	160 75
" 16 " "	353 67
" 17 " "	1,117 53
Amount carried forward	$58,978 46

	Amount brought forward	$58,978 46
No. 18	Primary School	421 54
" 20	" "	152 13
" 21	" "	720 44
" 22	" "	2,628 31
" 23	" "	504 52
" 24	" "	1,084 13
" 25	" "	1,241 02
" 26	" "	223 42
" 27	" "	44 62
" 28	" "	1,056 86
" 29	" "	299 71
" 30	" " East Building	760 85
" 30	" " Middle Building	172 40
" 31	" "	58 75
" 32	" "	1,260 41
" 33	" "	626 12
" 34	" "	435 47
" 35	" "	356 78
" 37	" "	73 97
" 38	" "	601 90
" 39	Primary School	357 85
" 40	" "	246 01
" 1	English and German School	957 59
" 2	" " " "	1,393 99
" 3	" " " "	2,622 26
" 4	" " " "	1,131 85
" 5	" " " "	113 95
" 6	" " " "	678 88
" 1	Annex School	393 45
" 2	" "	160 29
" 3	Male Annex School	258 01
" 3	Female " "	43 84
" 4 and 6	" "	149 28
" 7	Annex School	675 73
" 8	" "	933 96
" 9	" "	808 63
" 10	" "	168 17
" 11	" "	110 20
" 13	" "	355 17
" 15	" "	909 37
" 16	" "	153 66
" 17	" "	428 41
" 18	" "	133 76
" 19	" "	414 27
" 1	Colored Annex School	408 97
" 1	" Female School	52 78
" 2	" Grammar "	245 85
" 3	" " "	274 07
" 2	" Primary "	984 81
" 3	" " "	678 87
" 4	Male Colored Primary School	649 75
	Amount carried forward	$88,597 49

	Amount brought forward	$88,597 49
No. 5	Colored School	250 37
" 6	" "	281 40
" 7	" "	587 95
" 8	" "	485 18
" 9	" "	316 75
" 10	" "	110 33

RENTED BUILDINGS.

No. 9	Grammar, 808 North Calvert street	37 55
" 1	Colored Primary, 411 Courtland street	352 47
" 10	Grammar, William and Hamburg streets	6 80
" 10	Female Grammar, 125 Warren avenue	65 00
" 20	Male Grammar, Caroline street, near North avenue	1 10
" 32	Primary, 401 East Lafayette avenue	350 00
" 36	" 2223 East Baltimore street	48 78
" 8	Grammar, Frederick avenue and Monroe street	15 00
" 2	Annex, Gilmore lane	4 00
" 5	" Hickory avenue	96 85
" 14	" Park Heights avenue	74 35
" 20	" North avenue and Payson street	42 15
" 20	" Walbrook avenue, near Payson street	15 89
" 21	" Liberty road	40 17
" 7	English and German, 117–9 Jackson place	77 01
" 7	" " " 1739 East Baltimore street	29 10
" 1	Colored, 413 Courtland street	9 90
" 8	" 824 North Bond street	2 40
" 11	" 1613 West Saratoga street	10 13
" 11	" 1611 West Saratoga street	11 80
" 4	" 1216 North Fremont avenue	168 46
" 9	" Gold and Calhoun streets	117 95
" 11	" Mt. Olivet lane and Frederick road	17 42
" 11	" Stricker and Mulberry streets	458 18

MARKETS.

Canton Market	29 82
Broadway Market	146 39
Centre Market	365 28
Northeast Market	5 35
Richmond Market	518 64
Lafayette Market	107 18
Lexington Market	187 81
Hollins Market	45 86
Hanover Market	40 70
Cross-street Market	441 09
Belair Market	240 95
No. 1 Engine Company and No. 2 Hook and Ladder Co	1,726 81
" 2 " "	1,044 22
" 3 " "	88 94
" 4 " "	301 82
" 5 " " and No. 3 Hook and Ladder Co	1,656 51
" 6 " "	1,949 01
Amount carried forward	$101,576 31

Amount brought forward	$101,576	31
No. 7 Engine Company	858	30
" 8 " "	203	22
" 9 " "	490	54
" 10 " "	384	22
" 11 " "	269	49
" 12 " "	1,939	28
" 13 " "	1,664	92
" 14 " "	134	35
" 15 " "	1,492	48
" 16 " "	32	65
" 17 " "	1,017	59
" 18 " "	793	99
" 19 " "	320	24
" 20 " "	274	87
" 21 " "	932	64
" 1 Hook and Ladder Company	380	10
" 4 " " "	226	32
" 5 " " "	592	72
" 6 " " "	1,692	92
" 19 " " "	556	83
" 1 Chemical Engine Company	81	77
" 2 " " "	5	41
" 4 " " "	128	55
" 5 " " "	44	37
" 6 " " "	47	01
Quarantine Hospital	2,755	96
City Morgue	25	37
Harbor Master's office	53	90
City Yard	94	15
Old Southern police station	71	71
Total	$119,142	18

TABLE

Showing the Income from Permits Issued by this Office for each Month, from January 1, 1900 to December 31, 1900.

	Frame Sheds.	Bay Windows.	Frame Extensions.	Bath Rooms.	Awnings.	Advertising.	Permits Issued by Order of the Board of Estimates.	Totals.
January	$ 272 25		$160 00	$20 00	$ 4 00	$ 93 00		$ 549 25
February	214 00		40 00	32 00	16 00	90 00		392 00
March	245 75	$ 8 00	60 00	42 00	52 00	101 00		508 75
April	143 75	20 00	322 00	42 00	4 00	67 00	$1,038 75	1,637 50
May	237 00	20 00	188 00	34 00		148 95	3,696 25	4,324 20
June	1,639 00	12 00	202 00	16 00		74 00	1,532 00	3,475 00
July	315 50	20 00	395 50	8 00		72 00	1,725 00	2,536 00
August	381 50	16 00	144 00	28 00		150 00	6,792 50	7,512 00
September	190 00	20 00	62 00	22 00		103 00	288 75	685 75
October	204 00	30 00	404 00	2 00		83 00	722 59	1,445 59
November	282 50	24 00	45 50	6 00		207 00	329 25	894 25
December	235 00	7 00	18 75	6 00		18 00	1,309 94	1,594 69
Totals	$4,360 25	$177 00	$2,041 75	$258 00	$76 00	$1,206 95	$17,435 03	$25,554 98

TABLE.

Showing the Income for Permits Issued by this Office and Comparisons for Years 1900, 1899, 1898.

	1900.	1899.	1898.
Frame sheds	$4,360 25	$2,899 40	$3,188 92
Bay windows	177 00	1,128 00	150 00
Frame extensions	2,041 75	1,850 00	1,215 00
Bath rooms	258 00	672 00	514 00
Awnings	76 00	220 00	352 00
Advertising	1,205 95	856 00	307 00
Vaults and areaways	.....	3,188 96	1,557 35
Tapping sewers	.....	240 00	240 00
Permits issued by order of Board of Estimates	17,435 03	.....	.....
Totals	$25,554 98	$11,054 36	$7,524 27

TABLE

Showing Applications Made and Permits Granted for the following Privileges:

	1900.	1899.	1898.
Frame sheds	571	643	811
Frame extensions and porches	1,060	925	608
Frame bath rooms	129	336	257
Steam boilers	84	62	21
Awnings	19	55	88
Hot-air furnaces	1,348	1,251	1,704
Permits to repair sheds, walls and Chimneys	2,403	1,256	1,159
Permits for minor privileges by order of the Board of Estimates	314	.....	.....
	5,928	4,528	4,648

TABLE.

Showing the Number of Permits Issued in 1900 for New Buildings, etc., in Old Twenty Wards.

	Brick Dwellings.	Brick Additions.	Warehouses, Buildings, Stores, etc.	Improvements.	Churches.
January	17	8	7	1	.....
February	263	9	6	7	.....
March	96	30	6	1	.....
April	72	45	6	6	1
May	100	59	5	7	1
June	87	32	9	5	.....
July	39	40	7	9	.....
August	53	58	6	10	.....
September	42	39	9	7	1
October	54	52	10	8	1
November	41	25	11	11	1
December	48	19	3	1	.....
Totals	912	416	85	73	5

Showing the Number of Permits Issued in 1900 for New Buildings, etc., in what has been known as the "Annex."

	Brick Dwellings.	Frame Dwellings.	Brick Additions.	Frame Additions.	Warehouses, Stores, etc.	Improvements.	Churches.
January	47	7	1	.....	.....	.....	1
February	1	.....	1	1	.....	.....	1
March	16	5	.....	1	1	.....	1
April	6	23	1	5	.....	.....	.....
May	56	3	13	10	3	1	.....
June	25	6	1	3	.....	.....	.....
July	2	.....	2	2	2	.....	.....
August	3	1	2	1	.....	1	.....
September	17	1	2	6	1	.....	.....
October	46	2	2	2	.....	.....	.....
November	16	2	1	2	1	1	2
December	51	2	.....	1	.....	1	.....
Totals	286	52	26	34	8	4	5

TABLE.

Showing the Number of Permits Issued in 1900 for New Buildings, Etc., and Comparisons for Years 1900, 1899, 1898.

CITY.	1900.	1899.	1898.
Brick dwellings	912	1,346	1,366
Brick additions	416	372	347
Warehouses, stables, buildings, etc	85	118	102
Improvements	73	66	94
Churches	5	9	4
Totals	1,491	1,911	1,913

ANNEX.

Brick dwellings	286	299	478
Frame dwellings	52	92	114
Brick additions	26	23	24
Frame additions	34	47	49
Warehouses, stables, buildings, etc	8	21	13
Improvements	4	8	2
Churches	5	2	6
Totals	415	492	686

The Total Number of Condemnations, Violation and Repair Notices Issued by This Department During the Year was 1,227; as compared with Preceding Years it will be:

	1900.	1899.	1898.
Buildings condemned	118	39	22
Walls condemned	372	150	126
Chimneys condemned	103	77	71
Violation of building laws	187	62	58
Notices to repair rainspouts, areaways, chimneys, fences, etc	447	121	172
Totals	1,227	449	449

ENTRANCE TO CONSERVATORY—PATTERSON PARK.

41ST. ANNUAL REPORT

—— OF THE ——

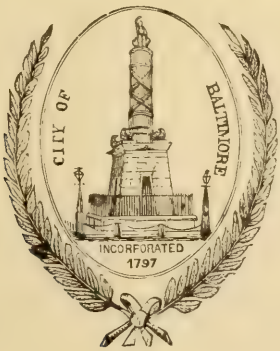
Public Park Commission

——TO THE——

MAYOR AND CITY COUNCIL OF BALTIMORE,

——FOR THE——

Fiscal Year Ending December 31, 1900



BALTIMORE:
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS.

1901.

WALLACE STATUE—DRUID HILL PARK.

DRUID LAKE LOOKING NORTH FROM MADISON AVENUE ENTRANCE—DRUID HILL PARK.

The Public Park Commission

—OF THE—

City of Baltimore, Md.

THOMAS R. CLENDINEN, President.
DOUGLAS H. THOMAS,
JOHN B. RAMSAY,
HOWARD T. WILLIAMS,
EDWARD L. BARTLETT.

Standing Committees.

Finance: - Commissioners Thomas and Ramsay.
Improvements: " Thomas and Bartlett.
Supplies: - " Bartlett and Williams.

Executive Committee.

Commissioners Bartlett, Williams and Thomas.

Park Committees.

Druid Hill Park, - -	Commissioners	Thomas and Ramsay.
Clifton Park, - - -	"	Ramsay and Thomas.
Patterson Park, - -	"	Bartlett and Williams.
Carroll Park, - - -	"	Williams and Bartlett.
Collington Park, - -	"	Thomas and Ramsay.
Riverside and Federal Hill Parks,	"	Williams and Bartlett.

Officers of the Park Commission.

CHARLES R. PARKHURST, Secretary-Treasurer.

J. V. KELLY, Clerk.

Superintendents of Parks.

WILLIAM H. CASSELL, - -	Druid Hill Park.
NOAH F. FLITTON, - - -	Clifton Park.
CHARLES L. SEYBOLD, - -	Patterson Park.
HARRY S. SINCLAIR, - - -	Carroll Park.
J. FRED. WESSLER, - - -	Riverside and Federal Hill Parks.

PATH TO PROSPECT HILL—DRUID HILL PARK.

Report of the Public Park Commission.

BALTIMORE, December 31, 1900.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In accordance with Section 5 of Ordinance No. 60, approved July 21, 1860, the Board of Public Park Commissioners are required to furnish each year a full account of their operations. This report, having been adopted by the Board, is herewith presented and, together with those of the Treasurer which follow, will constitute the Forty-first Annual Report for the year ending December 31, 1900.

During the year 1900 the Board has saved in office expenses a General Superintendent's salary of $2,000; a landscape architect's salary of $1,800; clerk hire, $1,200; salary of one Assistant Superintendent, $1,200, and one stenographer's salary, $600. The present secretary, together with the stenographer, has been doing all the clerical work, issuing all orders, getting up all reports, and looking after all the office work generally—secretary's work and treasurer's work combined. The total of $6,800 represents an actual saving to the Board in office expenses during the year 1900,

The present Board entered upon its duties March 1, 1900. At the same time all the squares throughout the city came under their direct jurisdiction. Soon after taking charge six experienced gardeners were appointed as District Superintendents, to each of whom was allotted, as nearly as practicable, an equal number of the squares, thus creating six districts in addition to the four principal parks, and making, therefore, including the four parks, ten superintendents.

In some cases this worked very satisfactorily; in others just the reverse, so that after trying this experiment until October the Board concluded to place all the squares in charge of the

superintendents of the four large parks, alloting the squares as nearly equal in number and attention required as possible, and as convenient in reference to situation as could be done, to the different parks in charge of whose superintendents they were placed. Since this change there have been only four superintendents, and the result has been much more satisfactory.

Druid Hill Park.

(671.21 Acres.)

This park has been continued under the superintendency of Captain William H. Cassell.

No new entrances have been opened.

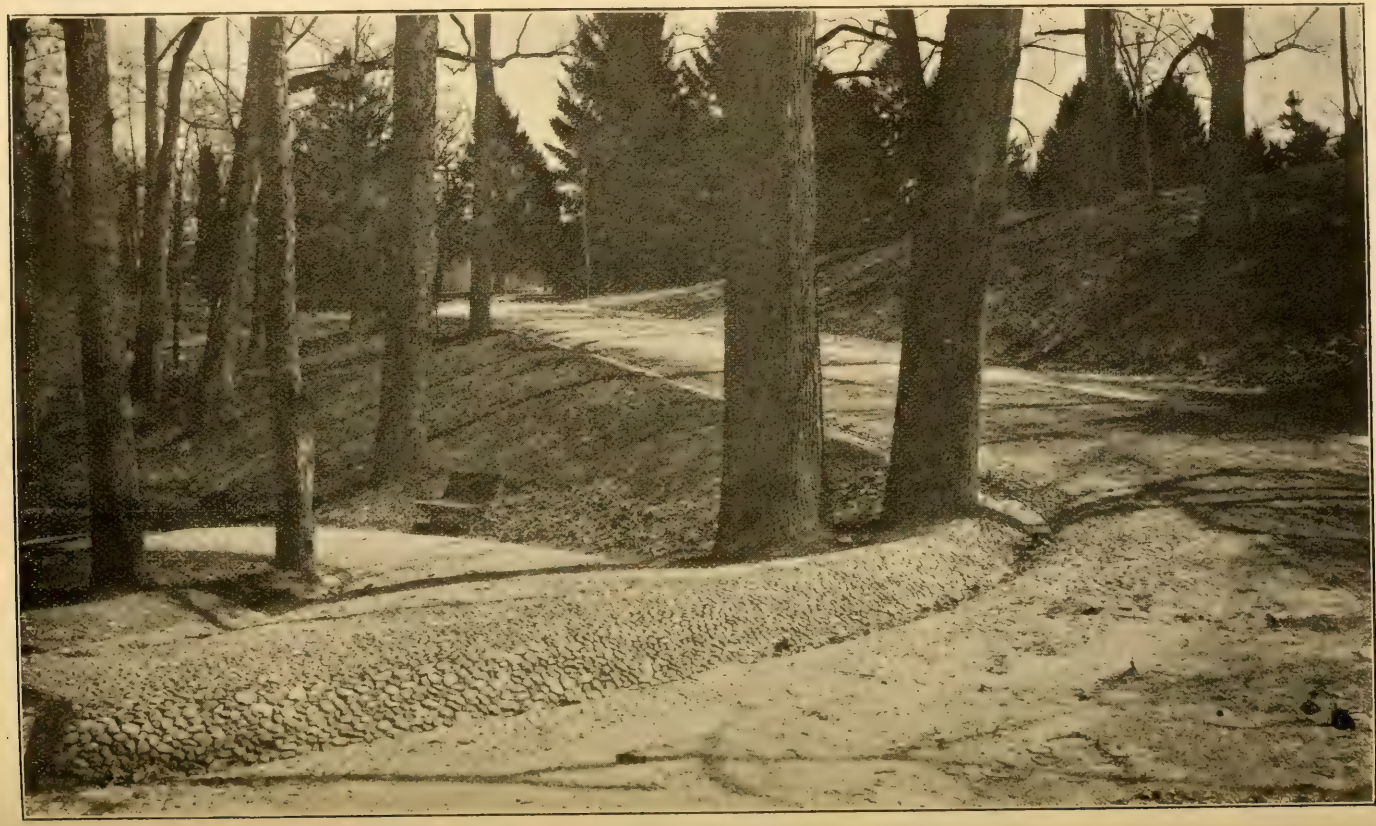
FOOTWAYS AND DRIVES.

During the year there have been in all about 2,200 feet of path put in on the lake drive from near Columbus Statue to Latrobe Approach. This is about six feet wide. The old footpath, for 1,200 lineal feet, has been widened from six to twelve feet and converted into a bridle path.

When the present Commissioners came into office they found the roads in this park in very bad condition. Repairs have been made to the roads and to the walks as promptly as material for the same could be procured from the quarry. Much remains to be done in order to get the roads in their usual condition of excellence. The quarry is being worked with an extra force with this object in view, and over 2,100 loads of rotten rock have been put out this season. The Board indulge the hope that their determination to place all the roads in Druid Hill Park in good condition will be successful, although it may take some time to accomplish this. During the year there has been one bridge on Greenspring avenue repaired.

BUILDINGS.

No buildings have been erected during the season except the reconstruction of the present propagating house.



ROAD LEADING TO TWIN BEACH DRIVE—DRUID HILL PARK.

FENCE.

The fence on Evergreen Terrace, which was removed by the former Board, left the western boundary of the park entirely unprotected. This necessitated the planting of a hedge, which is progressing finely, and in the course of time, with care and proper attention, will be an improvement to the park. The fence on Woodberry lane, from Green Spring avenue to Pimlico entrance, must be renewed, and the wire fence which was formerly around the deer enclosure, now removed, can be used for this purpose. The other fences throughout the park are in fairly good condition, small repairs having been made from time to time as found necessary.

CONSERVATORY AND PROPAGATING HOUSE.

Quite extensive improvements have been made and others are now in the course of completion by which a large increase of plants can be raised, also adding to the general appearance of the building. This will increase our general facility in the raising of bedding stock at Druid Hill Park from about fifty to one hundred thousand plants. Steam heating of an improved construction is now being put in position, which will be more economical in the consumption of coal and give far better service.

DEER.

During the year the deer enclosure was removed and the deer given their liberty. Sixteen of the deer were lost before this was done by being caught and hung in the wire fence in their efforts to escape from the enclosure. The herd of deer number about thirty-five at present, which is substantially the same as last year, notwithstanding the usual annual increase. It is not an unusual thing to see six or eight deer outside the confines of the park, owing to the removal of the fence, and, while some escape, the majority return without being molested.

HEDGE.

The hedge which was planted on Park Terrace and Druid Hill avenue is growing finely and, with the exception of

about two hundred lineal feet damaged by fire, is in a very thrifty condition. The two hundred lineal feet damaged by the fire was taken out and replaced from our own nursery, and with proper care and attention will be equal to the hedge originally planted.

CHILDREN'S PLAYGROUND.

One of the most notable improvements in Druid Hill Park has been the children's playground, established in the spring of 1900, in accordance with the request of the Playground Association. During the season the children in the immediate neighborhood have been regular in their attendance, congregating there every day, and under the management of the teachers of the association have thus been kept off the streets of the city, at the same time being given an outing. The average number of children in attendance from day to day has been about six hundred.

BASE BALL GROUND AND TENNIS COURT.

The base ball ground is now being remodeled, and when completed will be first-class.

The grass has been skinned off ten tennis courts, which seems to give entire satisfaction. Ten courts are in grass, so that those preferring to play on grass courts can do so. It is proposed to sink pieces of two-inch pipe and set poles in them to prevent turning up the sod by driving pegs and poles, as is now done. The poles can then be removed at the close of the season and stowed away for the winter.

During the season 418 permits for base ball were granted and 180 for foot ball.

THE ZOO.

During the year 1900 there have been no new animals added to the Zoo, except such as were donated. The expense of carrying on this feature of the park is rather heavy, the feeding costing something in the neighborhood of three thousand dollars, and the pay of two men constantly employed

SILVER SPRING DRIVE- DRUID HILL PARK.

there amounting to fourteen hundred and seventy dollars, making a total of about forty-five hundred dollars, which is rather expensive for such a small collection of animals.

GARDENING DEPARTMENT.

This Department has been conducted by Mr. William D. Hamilton, head gardener, who has charge of the propagating house and the conservatory. During the season there were laid out a number of flower-beds in Druid Hill, among them being those at the entrance from Eutaw Place and the bed in front of the palm house, much to the advantage of the park.

The beds on Mt. Royal avenue near the upper gate were kept in fine condition. A great many of the plants grown in Druid Hill were sent to Park Place, Bolton Park and Mt. Royal Squares—three large beds being laid out at Bolton directly under the supervision of Mr. Hamilton, who at that time had charge of this park.

Clifton Park.

(255 Acres.)

ROADWAYS.

This park is under the management of Superintendent Noah F. Flitton.

During the year roads have been constructed from Washington street at the lake house, southeast to the Mansion, connecting with the road leading to Belair avenue, 910 feet in length and 25 feet wide; from the old propagating house north to the road leading to Harford avenue, 550 feet in length and 26 feet wide. The old Hopkins roads have been widened from 10 feet to an average width of 25 feet for a distance of 3,790 feet. The road to Belair avenue has been graveled with more than 5,000 loads in addition to the filling, the whole of the material having been procured in the park.

MISCELLANEOUS.

During the season 6,582 square yards of sod have been laid, 16 drain wells put in, 1,680 feet of terra-cotta drain pipe

laid, and one culvert with granite coping has been built. The surface drainage, formerly causing much trouble, has been brought under control and provided for.

A playground, not under any association, has been provided with swinging poles, horizontal bars, merry-go-rounds, see-saws, sand beds, swings, etc., and have been very much appreciated by the children in the neighborhood, who have been unrestricted in the use and enjoyment of them. The children are on this playground from early morning until late in the evening.

The base ball diamond on the athletic field has been very much improved. A wire back-stop has been put in position at the tennis court. These courts have been more patronized during the season just ended than ever before. A very much larger number of permits have also been issued for base ball, foot ball, etc., than in previous years.

During November, 1900, two and six-tenths acres were added to this park on the northern boundary. About fifteen acres of the park have been prepared for seeding grass in the spring.

The new modern green-house, now nearing completion, will compare favorably on every point of construction with any similar structure anywhere, and when completed, which will be about the middle of January, will afford as fine a place for the growing of plants as can be found in the country. A modern steam heating arrangement has been added, and the output from this park will be the largest of any in the system. The houses are about 100 feet in length and from 25 to 35 feet in width.

It is contemplated to establish a "Pinetum" in Clifton Park, and later, when practicable to do so, an "Arboretum" also.

A bathing pool is a prime necessity and could be made at a very slight cost. This would be invaluable to the youth of Northeast Baltimore. It could be constructed with least expense in the valley near Schwartz's ice pond.

LAWN SOUTHEAST FROM MANSION—DRUID HILL PARK.

Improvements have been made at Collington, Johnston, Bolton, Mt. Royal and Taney-place Square; bulbs for spring blooming have been planted; the lawns have been well matured, and Mt. Vernon Square has also been improved. Two thousand three hundred and fifty square yards of sodding have been laid; 180 shrubs and trees have been set out; 54 loads of manure spread, and a vast number of bulbs planted. This material has all been supplied from Clifton Park.

Patterson Park.

(106 Acres.)

This park was placed under the care of Superintendent Charles L. Seybold on the 15th of January, 1900, and improvements were then commenced on the lawns. One thousand and seven hundred loads of soil were used in top-dressing, and over 2,200 loads of gravel were placed upon the drives and paths. About 220 loads of sod had been cut and laid for path and driveway borders.

During the spring a number of worthless trees were removed, and several acres and patches of lawn surface were regraded and regulated. A large amount of lawn seeding was also attended to. More than 300 sections of terra-cotta drain pipe have been laid, and several hundred sections relaid, the latter having been completely stopped up with maple tree roots.

CONSERVATORY.

The Conservatory, which was condemned and closed up for two years, is now thoroughly repaired and repainted. A new boiler has been placed under the building. The collection of plants at this place will compare favorably with the best in the country. The building was re-opened to the public on September 15th, and since then thousands have visited it.

NURSERY AND PROPAGATING HOUSE.

The Nursery and Propagating House have undergone a complete transformation. Several new and up-to-date propa-

gating houses have been constructed and a first-class hot-water heating plant put in.

More than three hundred lineal feet of 6-foot hot-bed frames have been made in connection with the new propagating house. A cinder road 10 feet wide has been made through and around the nursery yard. This road is a great convenience, and will facilitate the handling of plants, soil and other material stored in the property yard. All trees and shrubs within the old nursery have been transplanted into the open lawns, and more than 10,000 English Hawthorne plants have been set out for a hedge along the boundary lines of the Park.

Our facilities for propagating bedding plants at this Park have been very much increased, and we will be able to grow 160,000 or 175,000 plants the coming season.

ATHLETIC FIELD.

An Athletic Field, almost perfect in every detail, has been laid out. A quarter-of-a-mile cinder track encircles the base-ball and foot-ball field. One additional foot-ball field has been added. An athletic dressing-house has been placed upon the grounds, containing sanitary closets, baths and toilets. The drainage system has been perfected and a drinking fountain placed in position. Several wire back-stops have been placed upon the ball ground.

CHILDREN'S PLAY-GROUND.

The Children's Play-Grounds have been a great success during the summer months. A great many new features for healthful out-of-door enjoyment in the way of games have been provided for the little ones. Cool drinking water has been supplied from a nearby fountain. The ladies of the Play-Ground Association, together with the officers of the Park, have kept perfect order. The average attendance was about 400 children per day. During the season hundreds of base-ball and foot-ball permits have been granted. Several

MANSION—CLIFTON PARK.

field events have been held, over 12,000 persons being in attendance on one occasion.

BUILDINGS.

The buildings are all in a fair state of preservation, except the Casino, which needs painting on the outside. The sanitary conditions, however, are far from satisfactory, no new, up-to-date arrangements—with the exception of those in the Casino proper—being in the Park.

ROADS AND DRIVEWAYS.

In the new portion of the Park the roads and drainage are in good shape, but this cannot be said of the old Park, as the drives and paths require graveling, together with the rebuilding of a number of drain wells. About one-third of a mile of carriage drive has been graveled and rolled during the months of March and April. This portion is now in excellent condition.

CARROLL PARK.

(64.31 Acres.)

At this Park the work of redeeming the new extension has been progressing very favorably. One of the first things found necessary was the laying of 540 feet of 30-inch sewer pipe, which called for an outlay of about $1,500. This was in order to fill in on the extension. With the exception of the ditch where the Bush-street sewer enters the Park and travels across it has been pretty well filled with something like a hundred thousand loads of material—earth, ashes, etc. Some of this was purchased, but the greater part of it was placed in the Park free of charge, the expense being consequently trifling compared with the cost of other portions of the Park. This extension is now being covered with compost so that seeding can be begun in the spring. Roads are being staked off, and as soon as some system can be inaugurated these will be surfaced and rolled ready for driving. The roads in the old part of the Park have all been graveled and are in a very fair condition.

The purchase of the Mylander property, situated at the corner of Columbia avenue and Bayard street and containing 1.94 acres, is now in the hands of the committee, and when consummated will make the line of the park square at this point, where a very beautiful entrance can be made. The roads can be arranged in such a way that they will diverge in each direction in an artistic and convenient manner.

A system of tree-planting has been inaugurated in this park, so that in future years trees will not interfere one with the other, as has sometimes been the case in the other parks. There have been so many trees planted without regard to future developments that some were necessarily taken out in order to give light to the park and room to the surrounding trees.

ATHLETICS.

The ball-field has undergone some changes, having been rolled, seeded and put in first-class condition for that purpose There were about seventy-eight permits for ball games issued during the year.

CHILDREN'S PLAYGROUND.

The Play-ground Association in Carroll Park was largely attended during the summer months, and there was a great deal of regret among the children when the close of the season came. This has been one of the most largely attended playgrounds in the city. Children were taught needlework, how to make baskets, etc., and were provided with merry-go-rounds, sand-boxes, see-saws, swings, and other means of enjoyment furnishing both entertainment and instruction.

A small farm was also arranged by dividing a portion of the park into sections about ten feet square, and assigning the cultivation of these squares to the boys. Each boy having charge of a farm was given instructions in farming and the use of farming implements. He was required to do all the work himself under the care of the superintendent.

CONSERVATORY—PATTERSON PARK

OLD EXTENSION.

In the old extension there have been something like 1,600 feet of tile and blind-ditching laid, which was afterwards covered with compost and grass seed planted. This has become well rooted, and in the coming spring will show well.

There have also been about 200 trees planted; the roads have been graveled, rolled, and put in first-class condition; the fence along the Columbia avenue side of the old extension has all been removed and a hedge planted in its place, much to the beautification of the park.

PROPAGATING HOUSE.

Two large propagating houses have just been erected, supplied with modern steam heating, which will make it possible to grow about 150,000 additional plants for bedding stock. These propagating houses have been put up with the prospect in view of increasing the number of parks throughout that section, an ordinance having been recently passed requiring the Park Board to purchase property on Fort avenue. This, of course, will require additional plants, which may have to come from Carroll Park. There are also a great many frames, which will increase the output in this park to something in the neighborhood of 200,000 plants.

Quite a number of flower beds have been made in this park, and in the coming season we expect to add others.

Riverside Park.

(7.28 Acres.)

ENTRANCES.

During the season of 1900 the Riverside-avenue entrance has been rearranged and the surface paved with 137 square yards of brick.

BUILDINGS.

No extensive repairs to buildings have been required this year. They have been repaired as needed and are in good condition.

VIEW IN PROPAGATING HOUSE—CARROLL PARK.

MISCELLANEOUS.

The City Commissioner's Department reset the kerb on Randall street from Covington street to Riverside avenue. The gutters have been repaired as needed and are in good condition. The two closets, urns and steps have been painted. The roads and walks are in fair condition. All fencing has been removed by order of the Committee and a hedge of California privet planted around the park. The hedge took about 4,050 plants,

A stone and brick wall has been built on the Covington street side to protect the stable, store-house, wagon shed, tool-house, etc, This wall was put in by our own force, and is about 76 feet in length and 3½ feet in height.

PLAYGROUND.

On July 5th, 1900, under the auspices of the Playground Association, a playground was opened in Riverside Park for the children in that section, certain portions of the park being set aside entirely for their use, and merry-go-rounds, sand-boxes, see-saws, etc., have been added, which have attracted hundreds of children to this portion of the park daily.

This work has been under the direct supervision of Miss Hodges. The attendance during each day has been from four to six hundred.

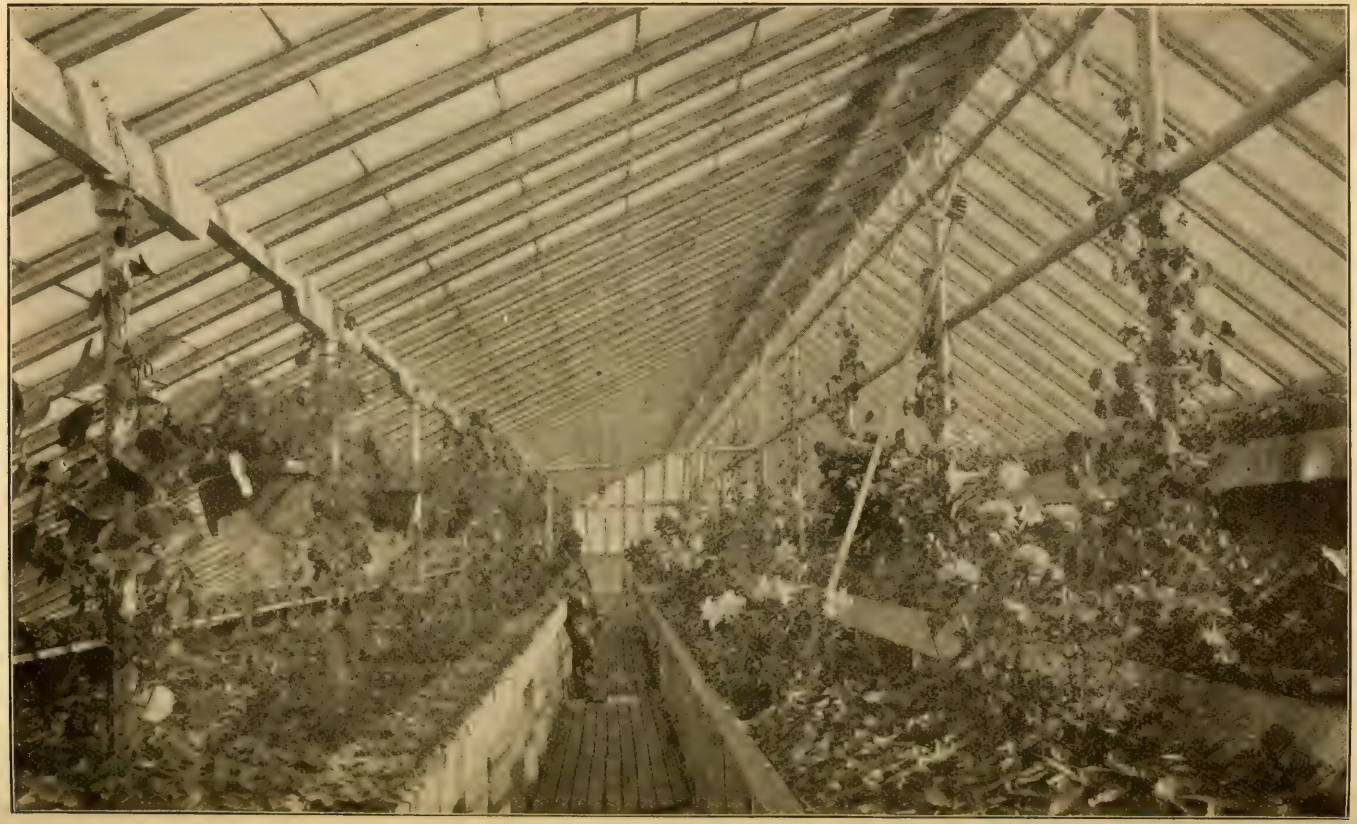
Federal Hill Park.

(8.25 Acres.)

Several small settlements on the terrace have appeared during the year, which were filled in and sodded. The pavement around the observatory has been regraded and paved with asphalt block. The blocks used were those taken up at Riverside Park.

The pavement at the drinking fountain at the Warren avenue extrance has been extended, regraded and paved with asphalt block.

The driveway extending around the whole top of Federal Hill has been kept in good repair and may be macadamized.



VIEW OF PROPAGATING HOUSE—CARROLL PARK.

The picket fence on the Covington street side has been replaced by reducing the height and rebuilding wherever was found necessary.

PUBLIC SQUARES

UNDER THE CONTROL OF THE BOARD SINCE MARCH 1ST, 1900.

The squares, when taken charge of by the present Board, were found to be in a very poor condition, and thousands of dollars have been required to restore them.

Fulton-avenue Squares—The six squares commencing at Pennsylvania and Fulton avenues and running south on Fulton avenue had never been made use of in any way—had no soil in them and not even grass had been grown in them. A full supply of excellent soil and top-dressing has been placed in these squares, and the coming season will find them set off with handsome beds of fine plants, propagated by the Board in the greenhouses erected during the year.

Lafayette Square—The dead trees surrounding Lafayette Square were removed in the fall, something like twenty-five being taken out. This square was much deteriorated, but under strict management has been much improved.

Harlem Square, when first taken charge of, was found to be greatly in need of attention. The grass had been allowed to die out, and the square needed top-soiling, manuring, etc. Many of the trees had been so neglected that it was necessary to remove them. Since they were taken out more light has been allowed and the square is consequently much improved. The Conservatory and Propagating House have been entirely remodeled, costing in the neighborhood of eight hundred dollars, and as a result the keeper, Mr. Strickland, will be able to raise all the bedding stock needed by this square for the coming season.

Franklin Square.—On taking charge of this square we found considerable dead wood there, but by removing the

same, top-soiling, etc., the square has been brought up to the standard.

Union Square, while much out of order when taken charge of, will be, in the spring and summer of 1901, on a par with any of the others in the city.

Wilkens-avenue Squares were in a very good condition, and consquently have not required much attention further than general labor. The triangle which was located at the corner of Fulton and Wilkens avenues has been sold by the city to private parties, who have since put up a row of houses fronting on Wilkens avenue. Some of the soil which was on this land was removed to Carroll Park and some of it used on the Wilkens-avenue Squares.

Eutaw Place was found in fair condition, but the trees and shrubbery needed trimming, all of which has been attended to, and they are much improved.

Park-Place Squares were found in excellent condition, and it has been simply a question of carrying on the good work.

Taney Place was in fair condition, and, with the man in charge, will be kept in even better condition.

Mt. Royal Squares need considerable improvements. The grass and trees, many of them inferior, have been its only products. It is intended during the coming season to place handsome oblong beds in the center of each one of these squares, which will not render travel through them inconvenient, and also to ornament the ends of each square with plants and shrubbery, so that the approach to Druid Hill Park on Mt. Royal avenue will be very much more attractive. Such of the trees as are out of condition will, when necessary, be trimmed and otherwise treated, and some taken out where they are too close together.

Bolton Square, surrounding Mt. Royal Depot, has been greatly improved by the addition of flower beds, and with the beautiful lawns, will be made very attractive in the spring.

PHILOSOPHERS' WALK—DRUID HILL PARK.

Mt. Royal Terrace, commonly called "Sunken Gardens," came under the care of the Board in fairly good condition, and has been efficiently maintained throughout.

Mt. Vernon Square and Washington Place were not in the best of condition. No beds or flowers had ever been grown in the eastern or western squares, and while some were placed there last season, they were of an inferior kind, owing to the scarcity of bedding plants. For the coming season the plants will be abundant and the beds handsome.

Madison Square.—This square was in a deplorable condition—no grass or shrubs of any kind, the soil poor and the place generally out of order. It has required a large expenditure of money and additional help to bring it into anything like the condition of the other squares. One drawback in this square is the large number of trees which cast so much shade all the time that grass and shrubbery will not grow. Some of these trees have been taken out, the soil turned over and new soil added, and the coming season will find the square in a very much improved condition.

Broadway Squares were found in fair condition. Many additional beds have been laid out, and its general condition so much improved it is expected that in the coming season it will be one of the most beautiful spots in the city.

Eastern City Spring has been much improved, and in the spring of 1901 the improvements will be continued.

Jackson Square was found in good condition, and it has been kept so.

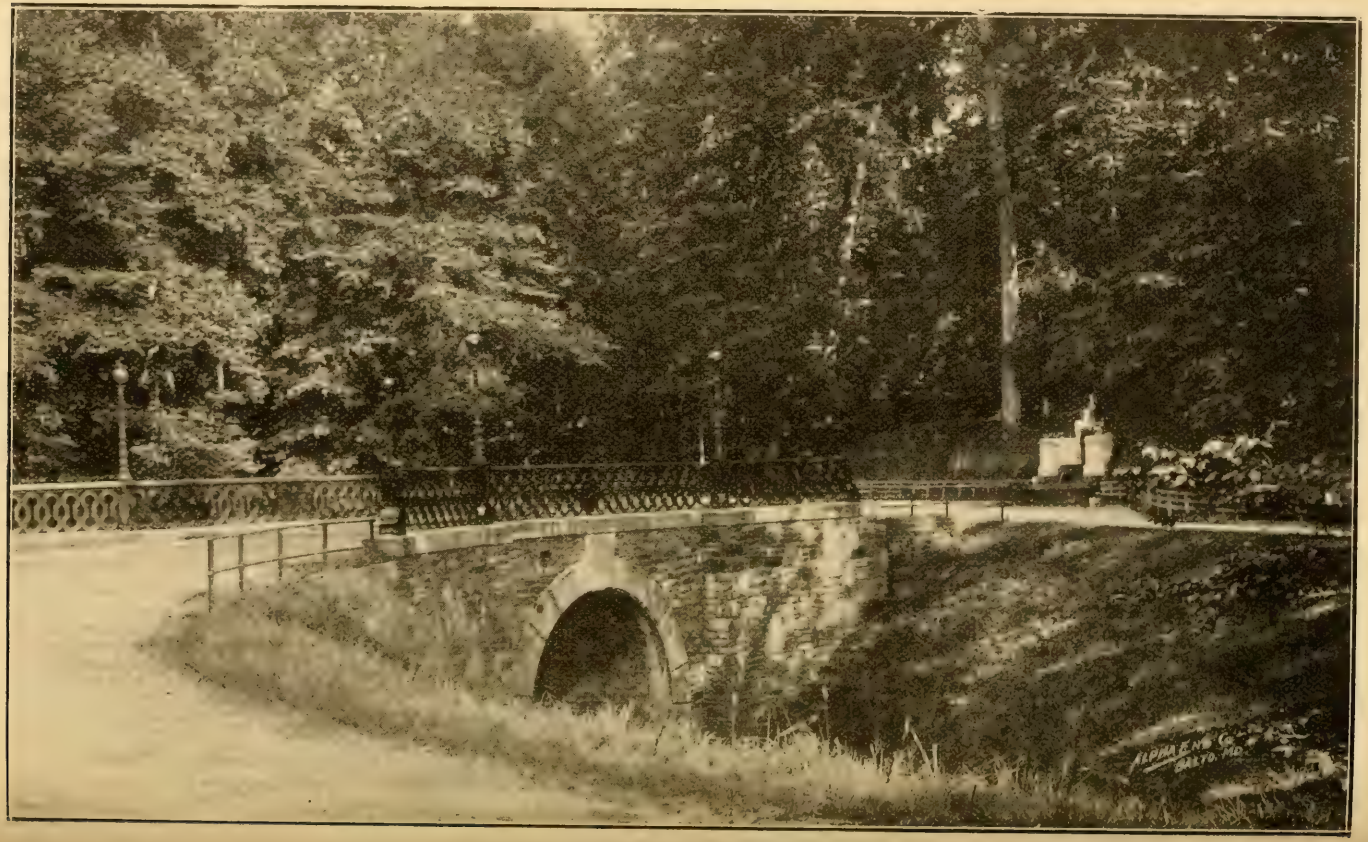
Perkins Spring Square was in very good condition. After taking charge the propagating house was thoroughly renovated, new designs laid out and the good condition of the square maintained. The house will not only produce flowers for its own use, but some for use in other squares in that section. The water supply for the spring, it is not perhaps gen-

erally known, comes from six springs which empty into a large tank and from this tank run into the fountain.

Trusting that our management will meet your approval, this report is

Respectfully submitted,

T. R. Clendinen, *President.*
Douglas H. Thomas,
Howard T. Williams,
John B. Ramsay,
Edward L. Bartlett,
Board of Public Park Commissioners.



GARRETT BRIDGE—DRUID HILL PARK.

Report of Treasurer.

BALTIMORE, December 31, 1900.

MR. THOMAS R. CLENDINEN, President,

The Board of Public Park Commissioners,
Baltimore, Md.

DEAR SIR—I have the honor to submit herewith my report as Treasurer of the Board of Public Park Commissioners for the year ending December 31, 1900.

Very respectfully,

CHAS. R. PARKHURST,
Secretary-Treasurer.

Statement of Receipts and Expenditures.

Balance from 1899	$1,977 98
Amount uncalled for—Druid Hill Park	28 21
Clifton Park	7 41
Carroll Park	4 17
Amount from Electric Light—Druid Hill Park	458 99
Carroll Park	1,129 92
Riverside Park	160 16
Patterson Park	243 05
Clifton Park	154 56
Fines—Squares	10 00
Druid Hill Park	115 00
Carroll Park	40 00
Riverside Park	48 00
Patterson Park	135 00
Rentals—Druid Hill Park	1,888 38
Patterson Park	100 00
Clifton Park	264 00
Monument Park	2,120 21
Sales—Druid Hill Park	1,052 10
Carroll Park	26 65
Riverside Park	957 52
Patterson Park	116 54
Clifton Park	146 50
From United Electric Railway Companies	285,410 38
	$296,594 73

"THE THICKETS," SOUTH OF THE FISH HOUSE—DRUID HILL PARK.

For the Year Ending December 31, 1900.

EXPENDITURES.

Druid Hill Park (including the following squares: Fulton, Eutaw, Harlem, Park Place, Brewer and Liberty Triangle)	$94,802 79
Clifton Park (including the following squares: Johnston, Collington, Mt. Royal Terrace, Mt. Royal Square, Bolton, Taney Place, and Mt. Vernon Square)	44,360 78
Carroll Park (including the following squares: Wilkens avenue, Union, Franklin, Lafayette and Perkins Spring Square)	41,179 53
Patterson Park (including the following squares: Broadway, Madison, Jackson, and Eastern City Springs	44,526 28
Riverside Park (including Federal Hill Square)	9,864 29
	$234,733 76
Interest	35,737 50
Sinking Fund	17,777 18
General Office	8,346 29
	$296,594 73

Druid Hill District.

In addition to Druid Hill Park, the following Squares are included: Fulton, Eutaw, Harlem, Park Place, Brewer and Liberty Triangle, separate statements upon each of which follow.

Disbursements for the Year Ended December 31, 1900.

Pay-rolls	$64,456 54
Uniforms	434 40
Horseshoeing	409 50
Food, show animals	2,136 07
Water supply	329 19
Supplies, gardening department	4,494 78
Supplies	4,761 79
Painters' supplies	237 87
Improvements	2,082 01
Food, work animals	1,750 82
Rolling stock	61 68
Building repairs	592 95
Electric lighting	8,110 38
Gas and oil lighting	273 92
Horse furniture and stable supplies	212 85
Fuel, gardening department	650 14
Fuel, keepers' boxes	112 87
Lawn and agricultural machinery	302 37
Tools and implements	305 48
Hardware	136 24
Office expenses	426 30
Fines	5 00
Repairs	2,313 54
Supplies, show animals	113 10
Rent of tool-house	93 00
	$94,802 79

Druid Hill Park.

Pay-roll	$56,996 68
Uniforms	434 40
Horseshoeing	409 50
Water supply	209 29
Supplies, gardening department	1,777 56
Supplies	4,744 80
Paint supplies	211 21

SOUTH FROM PROSPECT HILL—DRUID HILL PARK.

Improvements	$ 1,082 40
Food, show animals	2,136 07
Food, work animals	1,750 82
Rolling stock	61 68
Building repairs	592 95
Electric lighting	8,110 38
Gas and oil lighting	273 79
Horse furniture and stable supplies	212 85
Fuel, gardening department	650 14
Fuel, keepers' boxes	112 87
Lawn and agricultural machinery	276 62
Tools and implements	281 47
Hardware	133 24
Office expenses	426 40
Fines	5 00
Repairs	1,726 96
Supplies, show animals	113 00
	$82,730 08

FULTON SQUARES.

Pay-roll	$1,948 02
Rent of tool-house	28 00
Supplies, gardening department	569 83
Tools and implements	3 00
Hardware	3 00
Lawn and agricultural machinery	2 85
Improvements	999 61
Water supply	118 15
	$3,672 46

EUTAW-PLACE SQUARES.

Pay-roll	$2,093 86
Rent of tool-house	65 00
Supplies, gardening department	757 85
Repairs	43 18
Supplies	5 38
Painters' supplies	11 81
Tools and implements	2 30
	$2,979 38

HARLEM SQUARE.

Pay-roll	$2,381 28
Lawn and agricultural machinery	22 90
Tools and implements	11 46

Supplies, gardening department	$1,340 72
Gas and oil lighting	13
Repairs	507 75
Water supply	1 75
Painters' supplies	14 85
	$4 280 84

PARK-PLACE SQUARES.

Pay-roll	$1,036 70
Supplies	11 61
Supplies, gardening department	48 82
Tools and implements	7 25
Repairs	35 65
	$1,140 03

CLIFTON DISTRICT.

In addition to Clifton Park the following squares are included: Johnston, Collington, Mt. Royal Terrace, Mt. Royal Square, Bolton, Taney Place, and Mt. Vernon Square, separate statements upon each of which follow:

Disbursements for the Year Ended December 31, 1900.

Pay-roll	$31,622 57
Uniforms	303 66
Horseshoeing	32 00
Water supply	293 68
Supplies, gardening department	3,101 05
Supplies	1,082 25
Painters' supplies	88 09
Improvements	692 14
Food, work animals	525 93
Building repairs	382 72
Electric lighting	613 92
Gas and oil lighting	3,651 70
Horse furniture and stable supplies	191 42
Insurance	94 48
Fuel, gardening department	348 00
Fuel, keepers' boxes	34 08
Lawn and agricultural machinery	180 47
Tools and implements	194 38
Hardware	41 83

GARDENER'S HOME - CLIFTON PARK.

Office expenses	$ 146	10
Repairs	695	40
Rent of tool-house	45	00
	$44,360	87

CLIFTON PARK.

Pay-roll	$20,492	77
Insurance	94	48
Uniforms	118	91
Electric lighting	309	12
Horseshoeing	32	00
Improvements	692	14
Water supply	157	17
Supplies, gardening department	2,026	33
Supplies	807	02
Painters' supplies	52	02
Food, work animals	525	93
Building repairs	323	23
Gas and oil lighting	3,616	51
Horse furniture and stable supplies	191	42
Fuel, superintendent's house	24	20
Fuel, gardening department	348	00
Lawn and agricultural machinery	154	62
Tools and implements	112	85
Hardware	37	89
Office expenses	142	75
Repairs	516	99
	$30,776	35

JOHNSTON SQUARE.

Pay-roll	$2,101	42
Office expenses	2	35
Painters' supplies	6	91
Fuel, keeper's house	9	88
Tools and implements	11	67
Supplies	5	43
Supplies, gardening department	65	87
Lawn and agricultural machinery	6	35
Uniforms	19	43
	$2,229	31

COLLINGTON SQUARE.

Pay-roll	$2,702	12
Water supply	77	54
Hardware	3	42

Tools and implements	$ 42	15
Uniforms	165	32
Supplies	210	68
Supplies, gardening department	232	97
Electric lighting	304	80
Repairs	14	05
Painters' supplies	25	77
Gas and oil lighting	17	04
Building repairs	40	01
	$3,835	87

MT. ROYAL TERRACE.

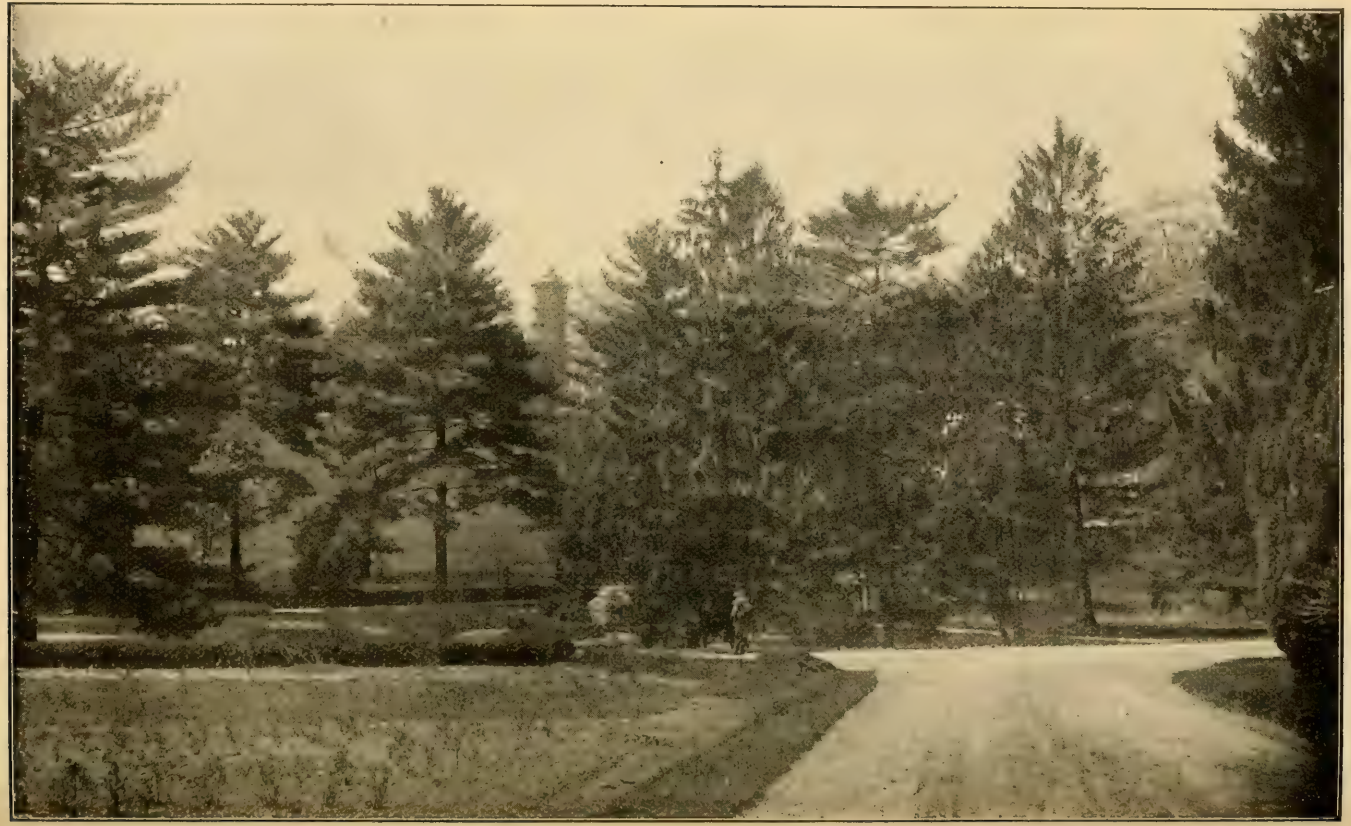
Pay-roll	$1,951	74
Office expenses	1	00
Gas and oil lighting	15	40
Supplies	6	90
Tools and implements	8	18
Hardware		52
Supplies, gardening department	43	96
Repairs	6	91
Painters' supplies	3	26
	$2,037	87

MT. ROYAL SQUARES.

Pay-roll	$ 989	93
Supplies, gardening department	40	70
Rent of tool-house	45	00
Water supply	3	50
Tools and implements	3	00
Repairs	29	10
Gas and oil lighting		75
Supplies	25	65
	$1,137	63

BOLTON SQUARE.

Pay-roll	$1,374	78
Lawn and agricultural machinery	9	75
Supplies	16	72
Tools and implements	12	18
Supplies, gardening department	295	98
Gas and oil lighting	2	00
Water supply	55	47
Building repairs	19	48
Repairs	2	80
Painters' supplies		13
	$1,789	29



ROSE BEDS—CLIFTON PARK.

TANEY PLACE.

Pay-roll	$551 50
Supplies, gardening department	1 50
	$553 00

MT. VERNON SQUARE.

Pay-roll	$1,442 92
Supplies, gardening department	393 74
Repairs	125 55
Supplies	9 85
Lawn and agricultural machinery	9 75
Tools and implements	4 35
	$1,986 16

ASHLAND SQUARE.

Pay-roll	$15 39

CARROLL DISTRICT.

In addition to Carroll Park, the following Squares are included: Wilkens Avenue, Union, Franklin, Lafayette and Perkins Spring Squares, separate statements upon each of which follow:

Disbursements for the Year Ended December 31, 1900.

Pay-roll	$27,430 31
Uniforms	80 81
Horseshoeing	36 00
Filling material	789 10
Water supply	295 51
Supplies, gardening department	2,520 03
Supplies	3,144 83
Painters' supplies	104 69
Improvements	1,478 88
Food, work animals	348 38
Rolling stock	90 00
Building repairs	257 55
Electric lighting	3,515 18
Gas and oil lighting	7 13
Horse furniture and stable supplies	79 58
Insurance	70 50
Fuel, gardening department	199 25
Fuel, keepers' boxes	23 45

Lawn and agricultural machinery	$ 43 00
Tools and implements	142 38
Hardware	20 08
Office expenses	198 41
Repairs	256 43
Rent of tool-house	48 05
	$41,179 53

CARROLL PARK.

Pay-roll	$22,854 87
Repairs	137 88
Uniforms	80 81
Improvements	1,478 88
Horseshoeing	36 00
Insurance	70 50
Water supply	275 26
Supplies, gardening department	1,851 17
Supplies	3,138 85
Painters' supplies	79 54
Food, work animals	348 38
Rolling stock	90 00
Building repairs	212 50
Electric lighting	3,515 18
Gas and oil lighting	7 13
Horse furniture and stable supplies	79 58
Fuel, gardening department	199 25
Lawn and agricultural machinery	38 25
Tools and implements	128 98
Hardware	20 08
Office expenses	198 41
Fuel, superintendent's house	23 45
Filling material	789 10
	$35,654 05

WILKENS AVENUE SQUARES.

Pay-roll	$1,067 91
Repairs	23 15
Rent of tool-house	44 15
Water supply	20 25
Tools and implements	1 60
Painters' supplies	1 00
Supplies, gardening department	160 75
	$1,318 81

VIEW IN CARROLL PARK.

Union Square.

Pay-roll	$ 976 55
Supplies	4 08
Painters' supplies	15 56
Supplies, gardening department	50 18
Tools and implements	3 50
Lawn and agricultural machinery	4 75
Repairs	15 15
	$1,069 77

Franklin Square.

Pay-roll	$ 866 15
Supplies, gardening department	13 15
Rent	3 90
Tools and emplements	70
	$883 90

Lafayette Square.

Pay-roll	$ 804 09
Repairs	52 25
Supplies, gardening department	54 75
Tools and implements	7 60
Supplies	1 90
Painters' supplies	1 59
Building repairs	45 05
	$967 23

Perkins Spring Square.

Pay-roll	$ 860 74
Supplies, gardening department	390 03
Repairs	28 00
Painters' supplies	7 00
	$1,285 77

Patterson District.

In addition to Patterson Park, the following Squares are included: Broadway, Madison, Jackson and Eastern City Springs, separate statements upon each of which follow.

Disbursements for the Year Ended December 31, 1900.

Pay-roll	$31,175 67
Horseshoeing	75 25
Water supply	307 30
Supples, gardening department	3,527 27

Supplies	$ 2,786 19
Painters' supplies	250 92
Improvements	522 20
Food, work animals	509 60
Rolling stock	43 45
Building repairs	1,156 06
Electric lighting	1,752 67
Gas and oil lighting	296 46
Horse furniture and stable supplies	220 99
Fuel, gardening department	574 19
Fuel, keepers' boxes	42 72
Lawn and agricultural machinery	41 25
Tools and implements	151 75
Hardware	111 30
Office expenses	141 75
Repairs	817 29
Rent of tool-house	22 00
	$44,526 28

PATTERSON PARK.

Pay-roll	$24,826 27
Office expenses	141 75
Horseshoeing	75 25
Improvements	522 20
Water supply	281 40
Supplies, gardening department	2,080 67
Supplies	2,561 87
Painters' supplies	199 63
Food, work animals	509 60
Rolling stock	43 45
Building repairs	1,057 44
Electric lighting	1,752 67
Gas and oil lighting	231 71
Horse furniture and stable supplies	220 99
Fuel, gardening department	574 19
Lawn and agricultural machinery	41 25
Tools and implements	95 94
Hardware	110 05
Repairs	726 74
Building repairs, Casino	92 55
Fuel, keepers' boxes	42 72
	$36,188 34

Broadway Squares.

Pay-roll	$3,604 64
Rent for tool-house	22 00
Supplies, gardening department	831 88
Supplies	34 32
Tools and implements	40 34
Painters' supplies	1 82
Repairs	32 55
	$4,567 55

Madison Square.

Pay-roll	$1,200 25
Building repairs	6 62
Supplies	165 45
Supplies, gardening department	224 09
Tools and implements	1 60
Painters' supplies	29 57
Hardware	1 25
Water supply	23 95
	$1,652 78

Jackson Square.

Pay-roll	$796 75
Supplies	70
Supplies, gardening department	183 23
Tools and implements	5 27
	$985 95

Eastern City Springs.

Pay-roll	$747 76
Supplies, gardening department	207 40
Tools and implements	8 60
Gas and oil lighting	64 75
Repairs	58 00
Water supply	1 40
Painters' supplies	19 90
Supplies	23 85
	$1,131 66

Riverside Park.

(Including also Federal Hill Square.)

Disbursements for the Year Ended December 31, 1900.

Pay-roll	$7,106 60
Uniforms	58 81
Horseshoeing	93 00

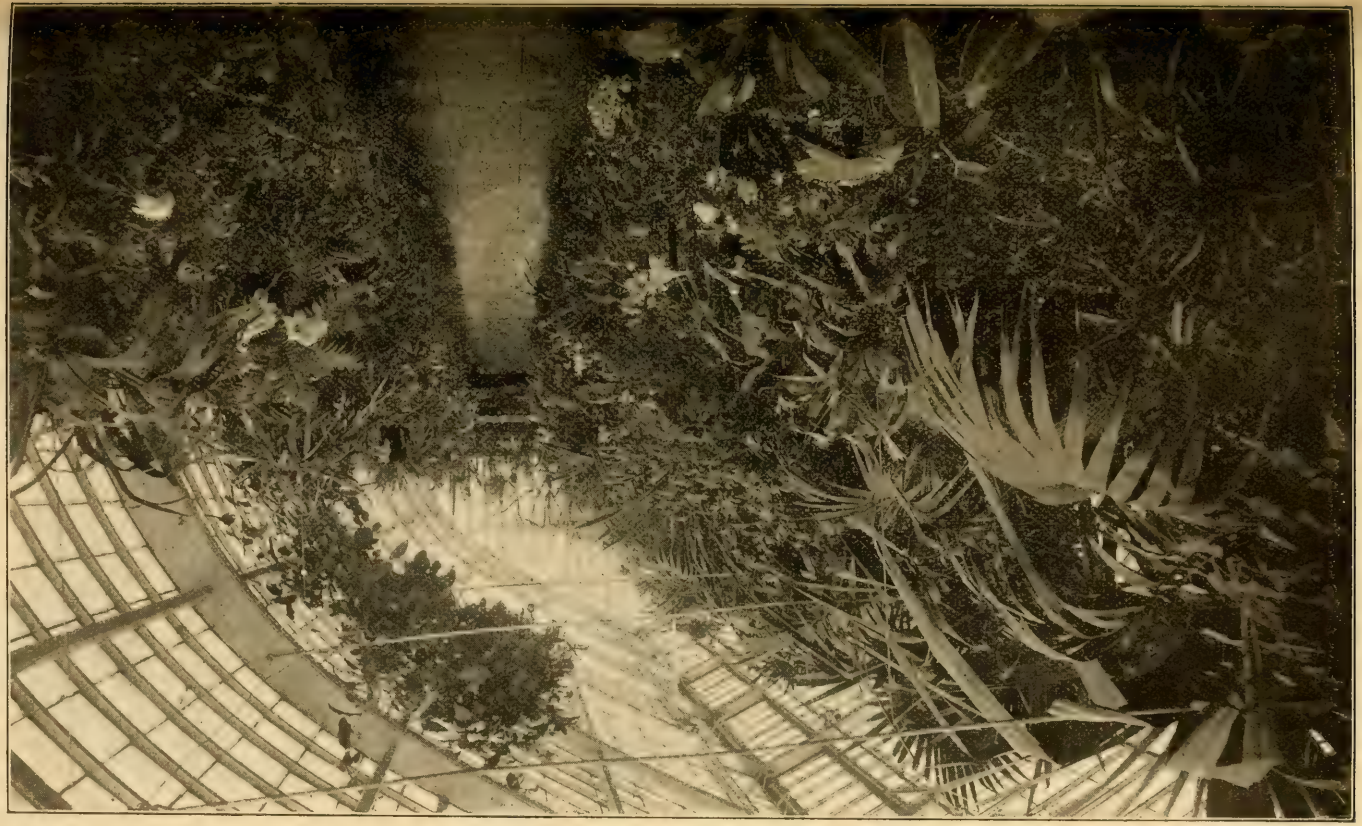
Water supply	$ 41 00
Supplies, gardening department	574 71
Supplies	535 83
Painters' supplies	29 13
Food, work animals	191 56
Building repairs	113 90
Electric lighting	447 32
Gas and oil lighting	532 81
Fuel, keepers' boxes	14 82
Lawn and agricultural machinery	30 30
Tools and implements	20 45
Hardware	32 35
Office expenses	32 85
Repairs	8 85
	$9,864 29

RIVERSIDE.

Pay-roll	$5,328 64
Office expenses	32 85
Tools and implements	16 55
Gas and oil lighting	528 81
Painters' supplies	29 13
Food, work animals	191 56
Water supply	37 00
Supplies	456 40
Building repairs	100 70
Horseshoeing	93 00
Uniforms	58 81
Repairs	8 85
Hardware	32 35
Lawn and agricultural machinery	30 30
Supplies, gardening department	543 16
Fuel, superintendent's house	7 41
Electric lighting	447 32
	$7,942 84

FEDERAL HILL.

Pay-roll	$1,777 96
Tools and implements	3 90
Gas and oil lighting	4 00
Supplies	79 43
Supplies, gardening department	31 55
Water supply	4 00
Fuel, keeper's house	7 41
Building repairs	13 20
	$1,921 45



Standing Rules.

In Force December 31, 1900.

1. The organization of the Park Commission shall be effected by the election of a secretary, who shall be elected at the first annual meeting of the Board, and who shall be elected for the term of one year.

2. The President shall preside at all the meetings of the Board, and shall have the power to decide upon all questions necessary. He shall sign all pay rolls. He shall call special meetings of the Board whenever he deems it necessary, or when requested to do so by two members of the Board. He shall appoint all standing committees and likewise all special committees, unless otherwise provided for by a resolution of the Board. He shall perform all other executive duties not otherwise provided for by the action of the Board, and prepare an annual report to the Mayor and City Council.

3. The Secretary shall keep the minutes of the meetings of the Board and conduct the correspondence; he shall have charge of the payment of all salaries and bills, and shall make a monthly report of payments, and prepare annually tabulated statements of all the receipts and expenditures of the Board.

4. The President shall annually appoint the following Standing Committees, each consisting of two members: Committee on Finance, Committee on Supplies, Committee on Improvements, Executive Committee; Committees of two each, on Druid Hill Park, Clifton Park, Patterson Park, Carroll Park and Riverside Park, and the President shall be member *ex-officio* of all committees.

5. The Committee on Finance shall, at the beginning of the year, estimate the receipts of the Board and the approximate payments for salaries and current expenses. They shall, as near as possible, apportion the surplus, which can be used for permanent improvements in all of the various parks. They shall report at the beginning of each quarter the amounts which have been used in the various parks for such improvements, so as to prevent any measures being undertaken without the funds being sufficient to pay for them.

6. The Committee on Supplies shall have the direction and control of the purchase of all the current supplies for the Park Commission.

They shall have power to make necessary purchases to the extent of $100, reporting the same monthly to the Board. They shall certify all bills as correct before they are paid. They shall advertise for all purchases for current supplies when they deem it advisable for the best interests of the city, and they shall consult with the Board of Awards of the City of Baltimore when the contracts are decided on.

7. The Committee on Improvements shall consider all proposals for permanent improvements in any park, and shall report upon the advisability of all such measures. In cases where it is necessary to give the work out by contract, they shall advertise for bids, and shall award the contract to the lowest responsible bidder. If the work decided upon is to be performed by the park employes, they shall give directions to the superintendent They shall report to the Board upon the completion of all such improvements.

8. The committees on the various parks shall pay special attention to the same by visiting their respective parks. They shall regularly examine the superintendent's diary. They shall advise with the Superintendents of the various parks in reference to the appointment of employees. All minor matters of detail which may arise in the various parks shall be decided by the respective committees, whose action shall be final. They shall receive and examine the monthly reports of the superintendents of their respective parks, and at each regular meeting report to the Board.

VIEW OF CONSERVATORY—PATTERSON PARK.

Provisions of the New Charter of Baltimore City, Creating and Regulating the Department of Public Parks and Squares as it Exists at Present.

90. There shall be a Department of Public Parks and Squares of the Mayor and City Council of Baltimore. The head of said department shall consist of a Board of Park Commissioners, composed of five members, to serve without pay, appointed by the Mayor in the manner prescribed in Section 25 of this Article, and to hold their offices as therein provided. One of whom shall be President thereof, and shall be so designated by the Mayor, and said Board shall elect a Secretary, who shall be paid a salary of one thousand five hundred dollars per annum, payable monthly, and he shall be the clerk of said Board, and shall perform such duties as may be prescribed by said Board. The said Board shall perform such other duties as may be prescribed by ordinances not inconsistent with this Article.

91. The Board of Park Commissioners shall have charge and control of all public parks, squares, springs and monuments belonging to, controlled by, or in the custody of the Mayor and City Council of Baltimore.

92. The Board of Park Commissioners shall have power from time to time to make such rules and regulations for the government and preservation of order within the parks, squares, springs and monuments belonging to, controlled by, or in the custody of the Mayor and City Council of Baltimore, as it may deem expedient. To carry out such regulations, fines not exceeding in any one case one hundred dollars shall be imposed for breaches of said rules and regulations, which fines shall be recoverable as other fines are in the name of the city, and said amounts so recovered shall be used and appropriated to the purposes of the Board of Park Commissioners.

93. The Board of Park Commissioners is authorized and empowered to regulate the speed of vehicles and equestrians within one mile of the approach and within the limits of said parks and squares, and to impose the fines provided for in the preceding section for the violation of any regulations it may establish in this connection, to be recovered as therein provided.

94. The several members of the said Board of Park Commissioners shall have the power of conservators of the peace within the limits of said parks and squares.

95. The Board of Police Commissioners of Baltimore City is directed, at the request of the Board of Park Commissioners, to detail from time time such of the regular police force of said city as the said Board of Park Commissioners may deem necessary for the preservation of order within said parks and squares, according to the regulations aforesaid, which policemen shall be under the direction of said Board of Park Commissioners, and shall have the same power in said parks and squares that the police of the City of Baltimore have as conservators of the peace in Baltimore City or elsewhere.

96. In addition to the powers now or hereafter conferred upon the Board of Park Commissioners, it is authorized to form zoological collections within the limits of said parks or squares by the purchase and collection of live, wild or other animals, for the purpose of public exhibition for the instruction and recreation of the people, with power to make contracts in regard thereto; and shall be capable at law to hold, in the name of the Mayor and City Council of Baltimore, and at pleasure to dispose of gifts, devises and other property for the use of said collections.

97. The said Board of Park Commissioners shall have full power to employ and compensate all persons whom, in its judgment, it may deem proper, in maintaining and supporting such parks, squares, springs and monuments, or any other building, collection, garden or reservation provided for in this Article. The distribution of the park fund for the maintenance of the different parks and squares shall be made by the Park Commissioners.

98. The night watchmen employed by the Board of Park Commissioners shall have, while on duty, the same power that police in said city have as conservators of the peace.

CARROLL MANSION.

This mansion, which is at present used as the superintendent's residence, is historically famous. It is of the colonial style of architecture, built of brick, with a coating of plaster on the outside of a grayish color to represent stone, and was the family home of the Carroll family during, and for many years after, the Revolutionary War. There is a brick taken from this house, in the possession of Miss Sallie H. Carroll, (to whom we are indebted for this information) which has upon it the date 1756, although there is an inscription over the entrance: "Erected in 1740." The Carroll estate at this time, was a typical Maryland plantation, consisting of thousands of acres of land, the house being surrounded by the stable, green house, servants' quarters and other outhouses, which comprised the estate of Charles Carroll, Barrister, to distinguish him from Charles Carroll of Carrollton, the signer of the Declaration of Independence, to whom he was in no wise related. This affix was derived from the fact that he had studied law at Temple Bar, England.

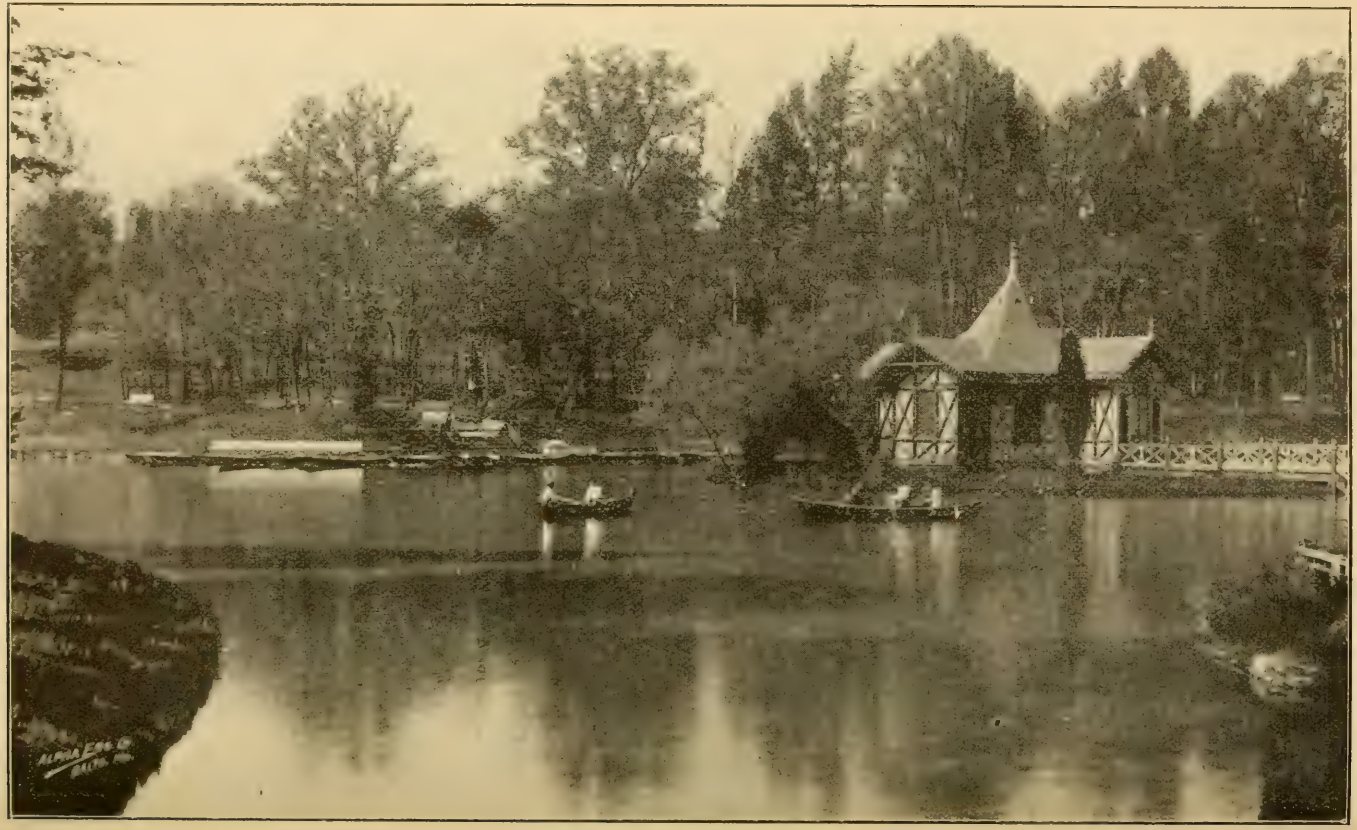
The house as it now stands has one wing; it formerly had two, as is shown by an old painting in the possession of the Carroll family, one of which having fallen into decay after its sale, was, unfortunately, not repaired, but torn down, against the desire of the Carroll family, who have always wished to have it renewed, so as to preserve its original shape.

The Carroll mansion has a room, known as "Washington Room," which George Washington, as a visitor to the family, occupied in passing through Baltimore in his journeys from Virginia to the North. The house as it now stands is in good condition, and has practically been preserved intact. It was suggested some years ago that it be remodeled and some modern improvements made in its interior, but this suggestion met with so much public disfavor that it was abandoned.

C. K. M.

OLD COLONIAL MANSION—CARROLL PARK.

THE MALL—DRUID'S HILL PARK.



BOAT LAKE—DRUID HILL PARK.

CROW'S NEST ROAD DRUID HILL PARK.

TWIN BEECH DRIVE—DRUID HILL PARK.

LAKE IN PATTERSON PARK.

CITY OF BALTIMORE.

DEPARTMENT OF CHARITIES AND CORRECTIONS.

FIRST ANNUAL REPORT

OF THE

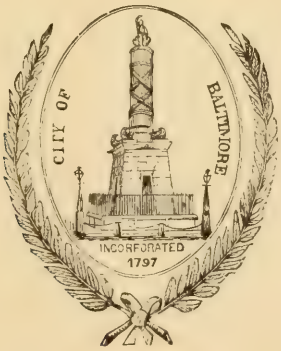
Supervisors of City Charities

TO THE

Mayor and City Council of Baltimore,

FOR THE

Fiscal Year Ending December 31, 1900



BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

SUPERVISORS OF CITY CHARITIES.

JEFFREY R. BRACKETT, *President.*

MRS. JOHN J. ABEL,

JOHN BLACK,

CHARLES D. FENHAGEN,

JOHN M. GLENN,

ELISHA H. PERKINS,

HENRY STEFFENS,

MACTIER WARFIELD, M.D.,

JAMES R. WHEELER.

The office of the Supervisors is on the first floor of the City Hall, by the Lexington street entrance.

Hours: On week days, 9 A.M. to 2 P.M., on Saturdays to 12 M.

REPORT.

BALTIMORE, December 31st, 1900.

To the Honorable the Mayor and City Council.

GENTLEMEN: The Supervisors of City Charities submit to you, as required by the City Charter, their annual report "upon all departments of their work, including the work of those institutions with which the city has contracted for the care of any poor persons."

The Supervisors did not take office until March 1st, and some time was then required for thorough organization of their office staff. They realized that they were called on to perform some new and important duties for the city, that existing conditions should be carefully observed before any customs might be changed, and that a reasonably conservative policy in dealing with individuals and institutions would in the end accomplish the best results. This first report, therefore, is for a portion of the year only, which was given chiefly to details of organization. They will not attempt in this report to speak in desirable fullness on the work of the private institutions contracted with heretofore, nor does the renewal of a contract for the year 1901 necessarily mean that an institution is thereby to be used in the future.

The initial work of the Supervisors has been much simplified by the excellent condition in which the almshouse, "Bayview," and the office in the City Hall Annex were found. Acknowledging the services rendered by their predecessors, the Trustees of the Poor, they gladly retained those officials in Bayview and the city office whose capacity and experience were proved. In choosing the officials needed for the new work, the aim has been solely to secure persons who wish to

make intelligent charity work their calling, and whose past records give assurance that the calling will be followed faithfully and efficiently.

The New Charter declares the duty of the Supervisors to be, in general, "to determine what sick, insane or other destitute persons are proper charges on the city, and to provide for the proper care of such persons, in so far as money may be appropriated for that purpose by the city."* Obviously the Supervisors may not expend money entrusted to them by the Mayor and City Council for the promotion of charitable enterprises, generally, because of good work done. If they could so spend it, where could a line be drawn between the many private charities of Baltimore? They are merely to provide suitable care for specific individuals of certain classes of the destitute. The specific individuals are those who may not be cared for by private charity and who are accepted by the Supervisors as proper subjects of municipal aid. And for the care of the certain classes of the destitute, outside of an institution managed by the city, the Supervisors have been entrusted with the duty of choosing the places and of seeing that the care and treatment are adequate.

The special classes of the destitute, which have been provided for, so far, are:

Homeless men, needing temporary care only.

Non-residents likely to continue charges on charity or the city, who may properly be sent elsewhere.

Destitute adults needing continuous care, who may properly be sent to the almshouse.

Ill or injured persons needing hospital or dispensary treatment, who may properly be treated as city patients in certain designated institutions, or may be sent to the almshouse hospital.

Insane.

Destitute and neglected children.

The New Charter of Baltimore in prohibiting city aid to adult persons for destitution merely except at the almshouse,

*For extracts from the charter, see appendix, page 71.

wisely recognizes the great part which private charity should and does play in any intelligent community in relieving temporary need and in providing continuous care for those persons whom it wishes to keep from the almshouse. The Supervisors intend to follow this wise policy of recognizing, as far as is practicable, the boundary between public aid and private charity, and the large place which charity can and should fill. They will not approve the use by the city of any institution under private management which continues, after due notice, to exist on public money without sufficient equipment, endowment or income from charity to justify its existence as a private charitable corporation.

TEMPORARY CARE OF HOMELESS MEN.

Since the old custom of allowing men to lodge in the police stations was wisely done away with by the Board of Police Commissioners, and the Friendly Inn Association undertook to give food and lodging to homeless men in return for work, together with the use of baths—a more comfortable, reasonable and sanitary care than the police had given or could give—the city has been paying the Association under contract the sum of ten cents each for the care of a proportion of its beneficiaries, but not to exceed one thousand dollars. This arrangement was based on the number of those who were sent to the Inn from the police stations. This limit of one thousand dollars may be reduced in future if the Inn is able from its sale of firewood and the donations of the charitable to care wholly for the homeless men, who are growing less in number with better times, with the decrease in oyster dredging, and with a decrease in the number of tramps in Baltimore. The almshouse is too far from the city to be used for admissions late in the day; and an institution like the Inn, whose benefits are earned by work, is the best agency for dealing with homeless

men. The exceptional applicants who are too infirm to work are sent next day by the Inn to the Bayview office.*

TRANSPORTATION OF THE DESTITUTE.

The administration of the "transportation" fund has been conducted as in previous years, since it was placed in the hands of the Trustees of the Poor, in accordance with the understanding had with the Joint Passenger Traffic Association, and following strictly the following rules, that only those persons should be sent who were already charges, or were likely to become charges on charity or the city, and that persons should be sent only to those places where inquiries made by our clerks should show that they have work assured them, or relatives or friends ready to care for them, or are entitled to public aid. If sent away they are sent to such places, no matter how distant. A large number of applicants for transportation either cannot give or refuse to give any references in the places where they claim to belong. Able-bodied men are rarely given transportation, for obvious reasons. Special rates are secured; and reimbursements are collected, whenever possible, from relatives or charities interested. The amount of the fund required has not been increased of late, and is about one-half what used to be expended (during the portion of the year while it lasted) before its use was based on careful inquiry. No hardship falls on the applicants pending inquiry, as they are cared for if destitute at the almshouse or by some co-operating charity, as the Charity Organization Society or The Friendly Inn.

---

*Homeless women, who are very few in number, are cared for at the Almshouse or by the police matrons at the stations or by the Charity Organization Society or other private agency.

The admit clerk reports of the transportation of the destitute for the year 1900:

Month.	Applicants.	Transported.	Cost.	Money reimbursed and turned over to the city.
January	28	10	$ 29 33	$16 55
February	17	2	11 10	.....
March	36	19	60 04	3 40
April	15	11	37 49	27 20
May	20	7	20 35	.....
June	26	5	21 71	.....
July	27	11	32 25	.....
August	28	6	12 16	2 65
September	16	10	38 20	14 10
October	26	14	62 05	.....
November	23	11	103 71	1 40
December	33	15	52 91	.....
Totals	295	121	$481 30	$65 30

174 rejected for cause, of whom 13 refused to give their names; 41 refused to allow inquiry to be made.

Appropriation		$800 00
Expended		507 55
Balance		$292 45
Expended for fares	$481 30	
Incidental expenses, postage stamps, etc.	26 25	
	$507 55	
Reimbursed	65 30	
Actual cost to city		$442 25

TYPICAL CASES.

On November 6th, Mrs. McD. and three children were transported to their home, in Greenwich, N. Y. By correspondence with officials in that place we had discovered that

the husband, a shiftless, worthless fellow, dragged his family from post to pillow, returning at intervals to their legitimate home. He brought them to Baltimore, where they were subjected to many privations, and the wife becoming desperate applied for transportation back to Greenwich, declaring that she would not again leave her home, but would go to work and support her own family among the people to whom she was known. It was determined to transport the mother and children and let the man shift for himself. He used his family as a means of working upon the sympathy of the public for travelling and other expenses. As soon as he heard that transportation had been given his wife and children, he promptly applied for transportation to follow them, but was refused. Investigation proved the man not only to be a notorious tramp, but to have served a term in prison for theft.

Over a year ago John T. ——— was turned out of an institution in this city, where he had been sheltered for some time, owing to the fact that he was suffering from cancer of the nose. The man's condition was distressing, and he was sent to Bayview, where he was successfully operated upon, and by process of grafting, was furnished with a very creditable new nose. While an inmate there, during the month of October last, a letter was received from a granddaughter in San Antonio, Texas, who had traced him to Baltimore. Previous to this we were in ignorance of the whereabouts of his family; but we immediately entered into correspondence with them, urging them to send the means to defray the expense of transportation, the granddaughter having expressed a desire for the old man to return to his family. Inquiry disclosed the fact that he had a son employed on a railroad in the southwest. The son was requested to make some arrangement for his father. It was found that his position was not a very lucrative one, but he managed to obtain an order for a ticket at reduced rates from New Orleans to San Antonio, and sent a check for ten dollars to cover it. Stating that his earnings were small, with a large family dependent upon his daily

wages, but that his father could have a home with his family for life, he respectfully requested that our city give his father transportation to New Orleans. Transportation was given, and the old man departed with a feeling of deep gratitude for the care given and interest shown by the city.

BAYVIEW ASYLUM.

The almshouse continues largely under the excellent management which the supervisors found there. For intelligent treatment of the classes of persons who go to such an institution, as well as for the care of the institution itself, officials of experience with those classes should be kept as long as they prove thoroughly efficient. Attention is asked to the erection of a model fire-escape on the large building for the insane; the completion of the sun-porches between the female hospital wing and the main building (as planned by the Trustees of the Poor, and provided for by the Mayor and City Council accordingly); the entire removal of plumbing from the female hospital wing into the new stack, and the repairing of the roofs and painting of the woodwork of the main buildings. Attention is asked also to the aim to differentiate the treatment in the chronic wards, in the hospital and in the insane department, as far as is possible, so that the custodial care of the aged or infirm chronics is thoroughly adequate and humane, and the treatment of the sick and of the insane shall become as nearly as possible like that given in the best hospitals. That in no way conflicts with the policy of the supervisors to work for State care of the indigent insane in hospitals with extensive grounds, which can be model institutions. They aim, also, as far as is practicable, to differentiate the inmates of the various chronic wards according to previous condition and congeniality. In order to encourage experienced nurses to remain, the salaries for the second year of service are increased a little. The careful methods adopted by their predecessors as to admission to the almshouse (see report of the Trustees of the Poor for 1899, pages 6-7) have been followed. In addition,

the rule has been adopted that where inmates are known to have near relatives an inquiry shall be made once yearly as to the ability of the relatives to maintain them. On the other hand, every effort is made by the Superintendent to keep under the shelter and good care of the institution those who lack strength in mind or character, whose return to the city might result only in harm to themselves and to the community. The increased cost per capita this year has been caused mostly by the increased cost of provisions and fuel.

The Superintendent of the Asylum, Mr. Louis F. Zinkham, reports as follows:

"The advance made within the last few years in the organization and administration of this institution, the progress of the insane department, the growth and improvement of the hospital department, the care and treatment of the phthisical patients, and of the imbeciles in separate buildings—all indicate that it is not as much an asylum as a hospital. The insane, the sick and destitute are here in almost equal proportions, and nearly two-thirds of the inmates are patients who are receiving treatment either for the cure of mind or body. During the year 2,835 persons have been cared for. Of these 1,519 have been admitted during the year, 242 being readmissions. The smallest number present at any one time was 1,147, on the 15th day of June; and the largest number present was 1,404, on the 3d day of March. The daily average has been 1,247—8.12 or 28 persons more than last year. During the year 81 beggars and habitual beggars were committed by police magistrates and courts. The law passed by the General Assembly last winter which permits magistrates to commit to us only such paupers and vagrants "who may not be able-bodied, but aged or seriously crippled or infirm," has had a wholesome effect, and has kept away a number who were more properly cases for the House of Correction.

"The annual per capita cost, as to maintenance, in the different departments is as follows: In the almshouse department, $64.21; in the hospital, $128.65; in the insane department, $82.93.

IMPROVEMENTS.

"Among the principal improvements for the year were the completion in February of two new boilers of 125-horse power each, a new smoke-stack, a readjustment of steam pipes by which all the buildings are heated more satisfactorily, the construction of sun-porches, and lavatories connecting the female hospital with the centre house, a steel rotary fire-escape with water-tower for the insane women's building, repainting of centre house and hospitals, putting the slate roofs in thorough repair, and two new steam kettles in the general kitchen.

"The inmates have by their labor contributed much to the general improvement of the buildings by pointing up brick work, recaulking all stone work on the buildings, paving, plastering, plumbing and painting, The buildings are now in better repair than they have been for a number of years.

IMPROVEMENTS SUGGESTED.

"A sun-porch is suggested in connection with the hospital annex for use of the phthisical patients. The purchase of some additional land for pasturage is also suggested. We need a large water-filter to insure pure drinking water, and also to keep much organic and mineral matter out of our boilers. We are at the extreme end of a large supply pipe which discharges much sediment. This forms a heavy scale in the boilers, necessitating frequent cleaning. Other needed improvements are a phthisis ward for female patients, and a new dormitory and dining-hall for men, to relieve overcrowding in winter.

FARM AND GARDEN.

"On account of the severe drought during the past summer the products of the farm and garden have not been as great as was expected, but the land was carefully cultivated and is now in excellent condition for the coming season. Ditches

have been filled and roads and fences put in good repair. Our dairy, with its herd of 36 cows, has yielded good results, for it has given practically all the milk required in the institution, and our stock of young hogs has been exceptionally fine. The earnings of our small farm for the year, above all expenses, amount to $3,512.50. We need more land.

MANUFACTURES.

"In the sewing and tailoring departments 11,327 articles have been manufactured during the year. This has been a direct saving to the institution of several thousand dollars. The repairing of shoes, garments and bedding is also all done by the inmates.

HOSPITALS.

"It is gratifying to state that the work done in the hospitals this year has been thoroughly satisfactory. The medical staff has been energetic and painstaking in its work, and has been ably seconded by the visiting physicians, who have been much more regular in their visits than in former years. The nursing department, too, is giving excellent service. An encouraging feature is that some of the nurses remain with us a long time, and with their increased experience render the hospital most valuable service. The excellent new ambulance secured during the year has been in frequent use.

INSANE DEPARTMENT.

"The insane department is in excellent condition, owing to the untiring diligence of the physicians in charge and the efficient force of attendants. The Board has provided for two additional attendants, and these have been secured. During the year 15 patients were transferred to the Springfield State Hospital to relieve overcrowding, yet our colored insane wards are crowded to their limit. It is urgent that the State or city should make prompt and adequate provision for the colored insane.

"We are very thankful to the many friends who, during the year, have kindly furnished our inmates with delightful entertainments. We also wish to express our gratitude to the many earnest Christian workers of both Protestant and Catholic faith, who have visited our sick and aged and held religious services."

Dr. N. G. Keirle, Jr., resident physician of Bayview Hospital, reports:

"With the exception of three cases of typhoid and several of malaria, the health of the resident population has been good. Two or three cases of consumption have been found in old patients, and these have been transferred to the phthisical wards, but the other cases of this disease have been in newly-admitted patients. We now have one case above the number of female phthisical cases that can be accommodated in the room provided for these patients; and even were this room ample, the fact that they are in the main hospital building and in close association with the other patients, renders them a constant menace to other patients. The actual number of patients treated in the hospital beds was 1,720, many of whom suffered from more than one disease. In the dispensary are treated an average of fifteen patients a day, but the trouble in many cases was of such a trivial character that only the most important have been counted among the number of diseases treated, which number was 4,439. Of these 1,855 were cured, 1,275 improved, 691 unimproved, 231 died and 377 remain under treatment. A marked increase is shown in the number of patients treated in the hospital wards. During the year 211 surgical operations of all classes were performed, resulting as follows: 167 cured, 18 improved, 3 unimproved, 5 died and 18 remain in hospital under treatment. A great many valuable scientific investigations have been made in the laboratory, and several interesting pathological specimens were secured and preserved." For statistics of diseases see page 59.

Dr. Louis W. Armstrong, acting resident physician of the insane department, reports:

	White Males.	White Females.	Colored Males.	Colored Females.
"There remained under care at the close of last year, December 31st, 1899.....	43	190	56	78
Admitted since.....	41	51	23	25
Whole number treated.....	84	241	79	103
Discharged and died.....	44	54	21	21
Remaining December 31st, 1900.....	40	187	58	82

"Results of those discharged: Recovered, 7; improved, 37; unimproved, 46; died, 50.

"During the course of the year five escapes have occurred—in each case from men employed or taking recreation about the grounds of the institution. These instances have occurred from an insufficient number of attendants rather than from any lack of diligence on their part.

"I am glad to report so few cases of tuberculosis. We have endeavored to isolate these cases to the best of our ability, but the structure of the buildings will not allow this completely, and unless early relief is secured, there is a possibility of a marked increase of this disease.

"I regret very much to have to report one death by suicide, the circumstance being in no sense traceable to neglect or lack of attention; in fact, the attendants upon the ward in which this lamentable event occurred have time and again prevented similar accidents from happening by their diligence and attention.

"Our patients prove by their general appearance that their diet is substantial and nourishing and that their clothing is comfortable.

"For those patients who are capable we have endeavored to supply a certain amount of work, because we realize the evil of idleness on the part of the insane. Gardening and building repairs, including cleaning, have occupied the men

workers, while the women have been employed in the laundry, the kitchen, in sewing and in embroidering; 3,792 new garments have been made, 23,436 old ones repaired and 30 pillow shams embroidered.

"Out-door recreation is insisted upon as often as the weather permits. Among our patients mechanical restraint is only resorted to when all other methods to prevent them from injuring themselves or other patients fail.

"The improvements in the laboratory are appreciated very much, and we are now able to make all practical pathological, bacteriological and blood examinations. This enables us to be very much more accurate in our work.

"The fire-escape which you have provided for the women's building has proved in every way satisfactory. By actual test, through its use, we have emptied the building of 268 patients in seven minutes. The escape affords easy access for firemen to any floor of the building, and the water-main running through its centre greatly adds to our power to fight fire. Twice weekly we send the patients into the yard through the escape. This is done to accustom them to its use. They are not frightened by the slide; indeed, many of them enjoy it." For statistics of the insane, see page 49.

For the official staff, detailed financial statements and various statistics of Bayview Asylum, see pages 38–48.

THE INSANE.

The insane who are found to be proper charges on the city, wholly or in part, because of the inability of relatives to maintain them as private patients under suitable care, are sent as far as is possible to the State hospitals, Spring Grove and Springfield, or to Mt. Hope Retreat or the insane department of Bayview Asylum. When the Supervisors took office they found them placed as follows: At Springfield, 164; at Spring Grove, 219; at Mt. Hope, 245, and at Bayview, 373. When the new buildings at the model State Hospital, Springfield,

were opened, the maximum numbers at Spring Grove and Mt. Hope were fixed at about 232 each, and the balance of the appropriation for the insane, after allowing for those, was allotted to Springfield. As many insane as possible have been removed there from the wards at Bayview which were overfilled. The lunacy law enacted by the last Legislature is a great advance, in that it does away with the necessity of an ascertainment of both lunacy and pauperism by a jury in the Criminal Court before a person could become a public charge.* By the new law the Supervisors are allowed to arrange reimbursements to the city for the care of patients whose relatives, unable to maintain them as private charges, are yet able to maintain them in part. The aim is to encourage relatives to do what they can, without in any way hindering prompt treatment of the insane. The reimbursements have increased to $7,341.99 during this year.

The Supervisors reiterate their desire to see the indigent insane cared for at State expense in State hospitals. Marylanders should promptly come up to line with the leading States in this movement. Practically all the colored insane of the city have to be cared for at Bayview, because the hospitals have not provision for the colored. The Supervisors urge strongly upon the public also the need of more provision for feeble-minded and epileptic children in State institutions for those special classes.

The secretary of the Board, Mr. N. G. Grasty, who has charge of the details of disposition of city insane patients, reports:

"During the ten months ending December 31, 1900, 331 applications were made for the care of persons insane, of which number 125 were not accepted as city charges, either because friends decided to care for them as private patients,

*For the law in full, see appendix, page 75.

or because the papers were not completed as required by law. 206 persons were sent to the following asylums as city charges:

	White.	Colored.	Male.	Female.
89 to Bayview.....	59	30	42	47
34 " Spring Grove.	30	4	18	16
44 " Mt. Hope.....	44	...	18	26
39 " Springfield.....	39	...	26	13

Summary.

172 white.	104 male.
34 colored.	102 female.
206	206

Number city patients in Spring Grove on December 31	235
Number city patients in Mt. Hope on December 31..	232
Number city patients in Springfield on December 31..	237
Total.....	704
Number insane patients in Bayview on December 31	367
Total.....	1,071

Payments to Insane Hospitals for 1900.

*Montevue Hospital.....	$ 115 36
Maryland Hospital for the Insane, year ending September 30	36,959 23
Springfield State Hospital, year ending September 30.....	25,614 20
†Mt. Hope Retreat, year ending September 30, and 53 days of following quarter	41,698 50
	$104,387 29
Balance unexpended	12 71
Appropriation	$104,400 00

The rate per capita as fixed by law for the State Hospitals is $150.00 a year.

Total amount received for the year for reimbursing patients.....	$7,341 99

*The only city patient at Montevue has been transferred to Springfield.

†The balance of the appropriation for the insane after payment for twelve months was sufficient to allow payment to one of the institutions for 53 days of the following quarter, a beginning of the effort to bring payments for each year as far as possible within the year.

"The amount reimbursed, possibly in excess of anything in past years, is probably due to the kindly but thorough system inaugurated of extending an opportunity to the relatives of the insane to pay what they consider reasonable, and thereby relieving them of the feeling that their kin are entirely charges on the city.

"During the ten months 474 visits of investigation were made by the office, looking into the individual welfare of the insane, and whether or not their relatives were able to reimburse the city for its care and maintenance of them. Our policy is to consider first the welfare of the patient, and under no circumstances would an insane person be transferred from one institution to another, or a recently developed case be sent to one institution, if the conditions would indicate a more suitable treatment at another.

"During the year several matters of minor importance were adjusted, among which was the question of expense entailed in the burial of those insane patients who have no relatives or friends. There was no fund in this Department available for such a purpose, and the death of such patients necessarily entailed upon the institutions considerable expense. Hereafter instead of the institutions assuming the expense they may advise the Health Department and immediate steps will be taken to relieve the institutions of further responsibility. Also, a clearly defined policy with the institutions regarding insane patients on parole or leave of absence has been adopted.

"Attention cannot be too strongly directed to the urgent need of more accommodations for feeble-minded and epileptic children, some with vicious tendencies. Applications are frequent, and in one day query was made at our office as to the following cases: What could be done with a boy, four years of age, a constant menace to other children, who had endeavored to pluck the eyes from a smaller boy, desiring to use them as marbles; also a dwarfed colored child, nine years of age, feeble-minded, partially paralyzed and cruelly neglected; also a feeble-minded white boy, ten years of age, who was caught in the act of cutting off the baby's head, he

explaining afterwards that he wanted it for a ball in his games. Mixing these children with the adult insane population of the hospitals is out of the question. The idiotic children's department at Bayview is crowded beyond its capacity, and the Maryland Asylum and Training School for Feeble-Minded Children has applications on file for scores and scores whom it cannot accommodate.

"Information or a brief history can be obtained at a moment's notice regarding each insane patient in any asylum under the care of the Supervisors, together with names of relatives or friends who may be interested in them, the cause of their being in the institution, the nature of disease, and other matters of interest pertaining to their welfare."

CITY PATIENTS IN HOSPITALS AND DISPENSARIES.

The Supervisors continued for the year, which was almost one-quarter over when they took office, the contracts with the hospitals and dispensaries which were expecting to be used by the city for the year, and some dispensary service was added in Northwest Baltimore, a section which had been overlooked. The rates were as previously, 46 3-7 cents a day for hospital care and 10 cents for a dispensary treatment. All the hospitals were put upon a per capita basis of payment. The balance of the appropriation for hospitals, after payment of service for twelve months ending November 30, was sufficient to allow payment for the month of December.

City patients in private hospitals for 1900 and December, 1899:

December	575	July	671
January	633	August	704
February	560	September	658
March	621	October	666
April	656	November	611
May	677	December	592
June	637		

A number of the patients were carried over from one month to another, and were consequently counted for each month.

Payments to Hospitals for 1900 and December, 1899.

Hospitals.	Actual Number Received.	Aggregate of Days Paid For.	Payments, Per Capita Basis.
City Hospital	1,395	34,822	$16,167 35
University of Maryland	995	18,785	8,721 60
Maryland General	642	17,619	8,180 25
St. Joseph's	339	10,850	5,037 51
Homeopathic	276	9,810	4,554 65
St. Agnes'	147	9,187	4,265 39
Good Samaritan	339	6,374	2,959 34
Baltimore University	142	3,428	1,591 56
Provident	91	3,635	1,687 68
Children's Hospital	45	4,950	2,298 19
Hebrew Hospital	69	2,750	1,276 81
Consumptive	28	2,451	1,137 99
Totals	5,708	124,661	$57,878 32

Expended, per capita basis		$57,878 32
For services rendered by the three hospitals last named from January 1 to April 1, when they were put on a per capita basis		1,500 00
Balance unexpended		621 68
Appropriations for 1900		$60,000 00

Payments to Dispensaries for 1900.

Physicians and Surgeons	$1,299 90	
Baltimore General	1,000 00	
Eastern	1,000 00	
Northeastern	1,000 00	
Southern	479 60	
Baltimore Medical College	375 00	
Woman's Medical College	365 20	
Evening Dispensary for Working Women and Girls	625 00	
Southern Homeopathic	450 00	
Baltimore Eye, Ear and Throat	699 97	
	$7,294 67	
Balance unexpended	555 33	
Appropriation for 1900		$7,850 00

HOSPITAL SERVICE.

Attention has been called to the good condition of Bayview Hospital and to the care and treatment given there. Visits of the visiting staff of physicians and surgeons from the College of Physicians and Surgeons, and the University of Maryland Faculty of Physic, are reported to the Supervisors as frequent. The new ambulance allows the removal from the city of any patients who should be sent there.

To the use of private hospitals for city patients the Supervisors have given much thought. Several of the Board have been familiar, by previous service as Trustees of the Poor, with the questions involved. The number of private hospitals aided or used by the city was in 1885 only two, in 1887 four, in 1889 five, in 1891 six, in 1895 eight, in 1897 nine, and by 1900 was twelve, with a thirteenth looking for its share of city patients. Ten of these twelve were for general treatment, and in four of them together the maximum number of city patients amounted to only fifty. In one locality, three were within a few squares of each other. Such multiplication of institutions was not the result of the needs of the city for its sick charges. On the contrary, such scattering of patients is not necessary, is not economical, and would be a hindrance to the duties placed on the Supervisors by the organic law of the city. Obviously some system, based on a principle, must be adopted for the selection of private hospitals for use by the city. After careful consideration the Supervisors determined, six months' notice being given from December 1st, 1900, to use four general hospitals only of the prevailing school of medicine; all of which must reach a reasonable standard of housing, care and treatment, and no two of which should be in the same district of the city. This action was based on the principle of securing the best available service for the city charges, under the best supervision. Other hospitals may be chosen in future, if they can show that they can give better housing, care and treatment than those in use in their localities. If desired, the

Supervisors may call on disinterested hospital experts for advice. The four general hospitals designated are the City Hospital, in the center of the city; the University of Maryland and the Maryland General for the southern and western portions, and St. Joseph's in the east. The Johns Hopkins Hospital in the east does much for the sick poor, and one principle which the city should follow, is to avail itself, as far as possible, of the work of private charity or endowment. To these hospitals has been added one general hospital for homeopathic treatment; and a limited number of patients will be sent, in the discretion of the admit clerks, to the three following hospitals, for treatment of special diseases only—incipient nervous and consumptive cases to St. Agnes', consumptives to the Hospital for Consumptives, (both hospitals being on high and extensive grounds in the country), and crippled children to the Hospital for Crippled and Deformed Children.

The Supervisors are convinced that such a step as this, in limiting the private hospitals used by the city to a few selected ones, is absolutely necessary if the city is to continue the use of private hospitals.

DISPENSARY SERVICE.

To arrange dispensary service for city patients satisfactorily is found to be no easy task, considering as proper city patients only such destitute sick "out-patients" as the medical schools do not care to treat, and as charitable physicians and charity dispensaries do not treat. For many years several charity dispensaries have been at work in various districts, near the homes of many poor persons; but less interest has been shown in them by the general charitable public of late, partly owing, perhaps, to the belief that they were sufficiently supported by public aid. Most of those whom they treat are of the poorest and most ignorant. The Supervisors believe that persons who can provide only in part for their medical treatment, but can do that without privation, should be encouraged to do it, and that if dispensaries, used by the city, which do charity work also, do not wish to collect the actual cost of treatment when-

ever possible, they should at least return as city patients only those who cannot provide for themselves. With the aim of securing, as far as possible, adequate supervision on the part of the city and improvement in the dispensary service for those most plainly proper charges on the city, the Supervisors have designated five general dispensaries, and have arranged with each for treatment of destitute persons, up to a specified limit, who live within a specified district about it. Returns of persons deemed city patients are made on slips which can be filed alphabetically by districts, and payments will be based on the persons treated and accepted as city patients. A few conditions, based on the work of the best dispensaries here and in other large cities, will be laid down, and the Supervisors will not, in future, approve the use by the city of any dispensary which does not, within a reasonable time, measure up to a reasonably high standard. In addition to the five general dispensaries designated—the Baltimore General in the west, the Southern, the Eastern, the Northeastern and the Woman's Medical College Dispensary, for the northwest*, provision has been continued for some treatment by a dispensary of the Homeopathic School of Medicine and by a special dispensary for ailments of the eye, ear and throat for city patients, not treated at the other dispensaries, in West Baltimore. In East Baltimore, an eye, ear and throat dispensary, which has been maintained wholly by charity, cares for any destitute persons.

This plan will be tried for a time. If changes should be made to some other plan, continued observations of dispensary service in Baltimore, and information from elsewhere, will show what are the greatest needs of and the best arrangements for city patients.†

*No general charity dispensary is located in that neighborhood.

†By 1897 the number of private dispensaries aided by the city had increased to eighteen. Before 1900 it had been cut down by the Mayor and City Council to eight.

DESTITUTE OR NEGLECTED CHILDREN.

The New Charter provides that "The Mayor and City Council of Baltimore, through the said Supervisors, shall have care and supervision over such children as shall be committed to or placed in those institutions with which the city may have contracted and shall have been duly accepted by said Supervisors as proper charges on the city. Said Supervisors shall have power to remove any child from any such institution to which he or she has been committed or placed, and to place said child in any other such institution, when it is apparent to the Supervisors that, from improper treatment or for other good cause, the welfare of the child requires such removal. No such child shall be discharged from the institution to which he or she shall have been committed or placed (unless by direction of a court of competent jurisdiction), or be transferred to any other institution, or to the care of any individual, without the approval and consent of the said Supervisors. It shall be the duty of the Supervisors, as far as is practicable, to place all destitute or neglected children who are under their care or in their charge in some institution or home for children or, without payment of board, in some respectable family in the State of Maryland, and to have the children visited and their circumstances carefully examined at least once in every six months by one of the Supervisors or by a skilled agent or agents appointed by them for the purpose. On the preliminary question of the commitment of any destitute or neglected child, said Supervisors, or their agent, shall be summoned by the committing officer and heard as to whether the parent or guardian of the child to be committed is entitled to the aid of the city, and if, on the return of the summons of the said Supervisors or the agent, further time is required by them, or him, to make inquiry as to the pecuniary ability of said parent or guardian, further time, not exceeding twenty-four hours, shall be given. The wish and request of the parent or guardian as to the place of commitment shall be respected,

unless good cause to the contrary be shown by the Supervisors. The Supervisors of City Charities shall have power to place foundlings in any proper institution with which the city has a contract."

Some experience at the City Hall office in the work of carrying out these new and important duties have been noteworthy. Thus, a number of young unmarried women belonging in the counties of Maryland or adjoining States, who had come to Baltimore for the purpose of entering the maternity hospitals, became quite indignant on finding that they could not give over their children to the care of the city before returning home. One woman, from a large community in Western Maryland, brought a child in a hack directly from the depot and wished to return without it by the first train. The inquiries of our visitors in a number of cases have found relatives of children who were perfectly able and suitable to care for them.

Much care is needed in the acceptance of children, in order, partly, that the natural ties and duties of kinship may not be weakened. The first thought always should be the welfare of the children. This principal is recognized by the law of Maryland. Experience shows that as much care should be taken in deciding when children may be "placed out" from institutions, or put in the care of relatives. The city law department instructed the Supervisors of City Charities in answer to their inquiry, that "The Board of Supervisors of City Charities are expected to look after the interest of any child or children, and have his or her or their circumstances carefully examined once in every six months by one of the Supervisors, or by a skilled agent or agents, appointed by them for the purpose, until the child has attained its majority or shall have been given over absolutely to the care of a proper guardian, with the approval of the Supervisors or by a Court of competent jurisdiction. The welfare of the child is committed to your care and custody, and does not cease when

consent is given by the Supervisors to have the child transferred from an institution to some respectable family." No city charge is placed in any home, therefore, without an inquiry and inspection of the home by one of the visitors, who will keep in touch with the child. In carrying out these various important duties there is no trouble whatever; the task has been made pleasant by the co-operation of the various institutions used by the city for the maintenance of children. Just as a good institution welcomes inspection by any official who visits it with a spirit of co-operation, so any good home in which a child may properly be placed is open to an occasional visit from one whose interest is the welfare of the child. The supervision of the city's agents over certain children is really a help to institutions which may be troubled by the efforts of unsuitable parents to get their children, or which may wish to place out children, but may not have the facilities for adequate inquiry and visitation of homes. Recent legislation of Maryland in the New City Charter for city charges, and in the Act defining the parental powers of institutions for care of children, prescribes the standard of visiting children "placed-out" to be a visit at least once in six months.*

As the prices paid for maintenance of children in institutions under the contracts were purely nominal, a rerating has been made, based on the returns from the institutions, the prices to be paid in 1901 varying from 20 cents to 24 cents a day, according to the age of the children and other considerations. There has been a slight readjustment made also in maximum numbers which may be placed in the institutions used, based chiefly on the real needs of the city.

Following the suggestions unanimously made by the Department of Charities and Corrections, the contracts made by the city through the Visitors to the Jail with the various reformatory institutions for youth cover payment for such

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*See Laws of Maryland, 1900, Ch. 316, in appendix, page 78.

children only as are committed as offenders. The Supervisors do not use any reformatories for care of destitute or neglected children.

The visitor-in-chief reports as follows: "During the ten months ending December 31, 1900, 269 applications were made to have 395 children placed in institutions or otherwise cared for. These figures do not include a number of applications for aid in which the children were not primarily involved, and which were at once referred to the proper relief agency. The recorded applications were disposed of as follows:

	White.	Colored.	Total.
Referred to private charity, with the hope of keeping the family together, or of family paying board for same..	192	84	276
Cared for by institutions as private charges	3	6	9
Parents or relatives found able and willing to care for	46	26	72
Returned to Washington, D. C., and committed to Board of Children's Guardians	2	.....	2
Died same day application was made	.....	1	1
Accepted as city charges, or will be when there are vacancies, and placed as follows:			
St. Vincent's Infant Asylum	9	.....	9
Home of the Friendless	5	.....	5
Nursery and Child's Hospital	4	.....	4
St. Elizabeth's Home for Colored Children	.....	6	6
St. Vincent's Male Orphan Asylum	3	.....	3
Baltimore Manual Labor School	1	.....	1
Maryland Home for Friendless Colored Children	.....	3	3
St. Mary's Female Orphan Asylum	4	.....	4
Totals	269	126	395

Of the above, 5 were colored foundlings; 75 were illegitimate, of whom 33 were white and 42 colored.

"We were summoned by magistrates sitting at police stations to appear in 21 cases involving 60 children, 58 white and 2 colored. Of these, cases involving 35 children were dismissed; 5 children were committed to the Henry Watson Children's Aid Society; 3 were committed to the House of the Good Shepherd; 15 were committed to institutions as city charges, and 2 were returned to Washington, D. C., being proper charges on that city. We were also summoned to appear in one case of habeas corpus, in which the child was returned to parents subject to the jurisdiction of the court.

"The two Washington children were held in Baltimore institutions until an investigation was completed, which proved that they were proper charges on Washington. They were then returned to that city and committed to the Board of Children's Guardians. That Board, in the meantime, reported to us the case of a mother and two children stranded in Washington who belonged in Baltimore. In this case we found there had been a slight family quarrel, and the mother had been induced by her brother, living in Washington, to go to that city with her children, leaving her husband in ignorance of her whereabouts. The father was able to care for them and willing to take them back. The Board of Children's Guardians concurred with us in the opinion that the children should not be public charges, and that the father should be informed of their whereabouts, and take some steps to reunite the family.

"Forty-two applications were made to have 52 children (48 white and 4 colored) removed from institutions. After careful investigation 6 were returned to parents, 12 were placed in private families (one of these has since been returned to the institution), one was placed in McDonogh School, and for 33 the homes were found unsuitable.

"Visits and careful inquiry into surroundings are made repeatedly in the case of those children placed in private families, and the results have shown that they are being well cared for. The children in the institutions have also been

visited, and improvement was suggested in their care when deemed necessary or desirable.

"One thousand nine hundred and ninety-six visits were made in order to make careful inquiry into the circumstances and needs of 639 children. This includes the children who were in institutions as city charges when the New City Charter went into effect. Some of these were found to have been placed from the counties, some from outside the State and some had parents or relatives who could pay board for them or care for them at home; and they were, therefore, not continued as charges on the city.

"The number of deaths of city charges has been as follows:

In St. Vincent's Infant Asylum	5
In the Nursery and Child's Hospital	5
In St. Elizabeth's Home for Colored Children	4
Total	14

"It will be seen from this that there have been no deaths in the institutions which care for the older children; only in those which receive foundlings and other infants."

Payments for Maintenance of Children for 1900 at previous rates, from 16 cents to 24 cents.		Basis of Contract for 1901. Maximum Numbers.	Per Diem Rates.
$ 5,987 52	St. Vincent's Infant Asylum	82	20 cts.
3,504 00	St. Eliabeth's Home for Colored Children	50	20 "
3,682 56	The Nursery and Child's Hospital	50	20 "
746 72	Md. Home for Friend. Colored Children.	16	20 "
756 80	St. Mary's Home for Little Colored Boys	15	20 "
2,102 40	Home of the Friendless.	34	20 "
1,582 40	St. Vincent's Male Orphan Asylum	20	22 "
1,474 40	Baltimore Manual Labor School	20	22 "
992 80	General German Orphan Asylum	12	22 "
8,960 40	St. Mary's Female Orphan Asylum	102	24 "
2,826 56	The Boy's Home Society	22	24 "
1,521 44	St. Joseph's House of Industry	18	24 "
$34,138 00	Total	441	
632 00	Balance unexpended.		
$34,770 00	Apropriation.		

The work of the city offices, under the charge of the Secretary, is planned to be done with system and thoroughness. Information can be had by those properly interested in any person at a moment's notice from careful records. Card indexes are kept of all the insane and the children. The Supervisors take pleasure in a general oversight of the work. Detailed reports of all departments of it are made to them regularly.

Following is a brief statement of the appropriations made to the Supervisors, and the amounts expended by them during 1900. It includes payments by the Trustees' of the Poor to March 1st, and payments for thirteen months work in several cases when the appropriations allowed and the Comptroller approved, in order to bring the payments for each year as far as possible within the year:

	Appropriated.	Expended.	Balance Unexpended.
Bayview salaries	$ 24,200 00	$ 22,443 18	$ 1,756 82
*Bayview expenses—Including salaries and expenses of City office from Jan. 1 to Feb. 28, inclusive	82,500 00	82,426 03	73 97
City offices, salaries for the nine months, March 1 to November 30, inclusive	6,200 00	4,184 21	2,015 79
City offices, expenses for ten months, March 1 to December 31, inclusive	1,500 00	645 83	854 17
†Homeless men	1,000 00	999 60	40
Transportation	800 00	507 55	292 45
Hospital patients for thirteen months to close of fiscal year 1900	60,000 00	59,378 32	621 68
Dispensary patients	7,850 00	7,294 67	555 33
Insane for the year October 1, 1899 to September 30, 1900 Including $5,009.47 on account of treatment of city patients from September 30 to December 31	104,400 00	104,387 29	12 71
†Destitute and neglected children	34,770 00	34,138 00	632 00

*The amounts appropriated for Bayview salaries and expenses, $30,400 00 and $84,000.00, included the estimates for the Supervisors' city offices, from March 1; $6,200.00 and $1,500.00 were allowed for salaries and expenses of those offices.

†In the ordinance of estimates for 1900, $107,750.00 were appropriated under the title "Charitable Institutions." That included the reformatories for youths, which have been placed under the supervision of the Visitors to the Jail; the free baths which have been placed under the City Bath Commission; the Hebrew Hospital and Asylum which was used as a hospital for the balance of the year and is included above under "Hospital Patients;" the Friendly Inn which was used for homeless men and is so included above; a small sum for transportation and clothing of deaf and dumb city children at the Frederick school which the school management has assumed, and a small sum for "St. Martha's Episcopal House, a home for self-supporting girls and women," an institution which could not be used by the city under the Charter. The balance of the appropriation was used for destitute and neglected children, and is so included above, except $1,480.00 unexpended. See reports of the Visitors to the City Jail and of the Bath Commission.

REIMBURSEMENTS.

The amounts turned over to the city during the year 1900 from reimbursements, etc., have been:

From Bayview Asylum, sale of old material...	$402 86	
board of inmates.....	478 46	
		$881 32
Reimbursements for transportation.....		65 30
" for care of insane.....		7,341 99

In conclusion the Supervisors would bear witness from their work of these ten months to the value of such a system in public aid as has been introduced by the New Charter. Heretofore the provision of public aid and its administration have been in some ways wasteful, in some ways inadequate and haphazard. The portion of the Charter on City Charities may not be perfect, but it will mark the beginning of a new era in public aid, and may have a strong and helpful influence on private charity in Baltimore, if all who are interested in the welfare of the very poor and suffering will co-operate intelligently and sympathetically. The Supervisors bear witness to the spirit of co-operation which has been shown by most of the agencies and individuals they have touched in their work.

JEFFREY R. BRACKETT, President.
MRS. JOHN J. ABEL,
JOHN BLACK,
CHARES D. FENHAGEN,
JOHN M. GLENN,
ELISHA H. PERKINS,
HENRY STEFFENS,
MACTIER WARFIELD,
JAMES R. WHEELER,

OFFICIAL STAFF.

CITY OFFICES.

Hours, on week days, from 9 A.M to 2 P.M., Saturdays 12 M.

City Hall Office, first floor by Lexington-street entrance.

Secretary.....NATHANIEL G. GRASTY.
Visitor-in-Chief.....T. JAMES HUNTER.
Visitors.....MISS E. WALSH. MISS M. O. SIMPSON.
Stenographer and Clerk.....MRS. HORTENSE BOWKER.

To this office should be referred all matters touching the insane and the destitute and neglected children with whom the city is concerned.

City Hall Annex Office, Gay street, between Lexington and Saratoga streets—City Office of Bayview Asylum.

Admit Clerk.....LORENZO B. GOUGH.
Clerk and Visitor.....MRS. E. DUVALL.

To this office should be referred all applicants for care or treament in Bayview Asylum or in hospitals as city patients, and destitute persons asking transportation.

BAYVIEW ASYLUM.

Superintendent.....LOUIS F. ZINKHAN.
Clerk and Purveyor.....JOHN E. DORSEY.
Head Matron.....NANNIE E. WORSLEY.
Centre House Matron.....MINNIE HILLEGIST.
Head Nurse.....ADA P. JANNEY.
Apothecary.....A. W. MCGLANNAN, Ph. G.
Engineer.....JAMES J. FARRELL.
Assistant Engineer.....WILLIAM H. STEVENS.
Farmer and Gardener.....MALTEER STANDIFORD.
Messenger.....THOMAS CONNOR.
Baker.....C. C. THOMAS.
Supervisor Insane Department (male).....JAMES A. MCLAUGHLIN.
Supervisor Insane Department (female)...EMMA GREENFIELD,
Clerk.....GEORGE SCHUSTER.
Book-keeper.....W. T. SLOTHOWER.
Supervisor Centre House.....P. HARVEY.

MEDICAL AND SURGICAL STAFF.

HOSPITAL DEPARTMENT.

N. G. KEIRLE, JR., M.D., *Resident Physician.*

1st Assistants:

C. H. LEWIS, M.D.
J. L. MCKNIGHT, M.D.

2nd Assistants:

C. C. BILLINGSLEA, M.D.
S. H. JESSURUN, M.D.

VISITING STAFF.

Physicians:

JOS. T. SMITH, M.D.
JAS. GEICHNER, M.D.
W. J. MESSICK, M.D.
M. C. ROBBINS, M.D.
W. F. LOCKWOOD, M.D.
THOS. S. LATIMER, M.D.
CARY B. GAMBLE, M.D.
WILLIAM WOLF, M.D.
THOS. BROWNE, M.D.
H. G. BECK, M.D.
HALL PLEASANTS, M.D.

Surgeons.

J. W. CHAMBERS, M.D.
I. R. TRIMBLE, M.D.
CHAS. F. BEVAN, M.D.
JNO. G. JAY, M.D.
FRANK MARTIN, M.D.
ST. CLAIR SPRUILL, M.D.
JOS. W. HOLLAND, M.D.
C. F. BLAKE, M.D.
ALBERTUS COTTON, M.D.
H. H. HAYDEN, M.D.
STANDISH MCCLEARY, M.D.

Neurologist:

GEO. J. PRESTON, M.D.

Eye and Ear:

A. D. MCCONACHIE, M.D.
ED. J. BERNSTEIN, M.D.
AARON FRIEDENWALD, M.D.
HARRY FRIEDENWALD, M.D.
LEE COHEN, M.D.

Gynecologists:

THOS. OPIE, M.D.
W. S. GARDNER, M.D.

Obstetricians:

L. E. NEALE, M.D.
CHAS. E. BRACK, M.D.

Throat and Nose:

M. R. WALTER, M.D.
F. D. SANGER, M.D.

Diseases of Stomach:

JULIUS FRIEDENWALD, M.D.

Pathologists:

EUGENE OPIE, M.D.
H. T. MARSHALL, M.D.

INSANE DEPARTMENT.

Resident Physician:
*Richard A. Urquhart, M.D.

First Assistant:
Louis W. Armstrong, M.D.

Second Assistant:
J. J. Spear, M.D.

VISITING STAFF.

Alienists:
Henry J. Berkley, M.D.
*Richard A. Urquhart, M.D.

Surgeon:
Eugene McE. Van Ness, M.D.

Gynecologist:
J. Whitridge Williams, M.D.

Opthalmologist:
James J. Mills, M.D.

*In November Dr. Urquhart resigned the position of resident, and has since been appointed one of the visiting alienists. Dr. Armstrong has been acting as resident pro tem. Dr. Lindsay Peters has just been appointed resident.

BAYVIEW ASYLUM.

Financial Statement.

Amount of appropriation for salaries	$24,200 00	
" " " expenses	82,500 00	
		*$106,700 00

Amount of Appropriation Used.

Salaries	22,443 18	
Expenses	82,426 03	
Amount of appropriation unexpended	1,830 79	
		$106,700 00

Classified Expenditures.

†Provisions, general supplies, light, fuel salaries	$102,069 91	
Per diem of Trustees of the Poor, January and February, 1900	96 00	
Material and labor for various repairs and improvements	2,703 30	

Unexpended Appropriation.

Salaries	$1,756 82		
Expenses	73 97		
		1,830 79	
			$106,700 00

Special appropriation for repairs		$2,150 00
Expended for fire-escape, female insane building	$1,119 55	
Expended for sun porches and lavatories	1,030 45	
		$2,150 00

*The amounts appropriated for Bayview salaries and expenses, $30,400.00 and $84,000 00, included the estimates for the Supervisors' city offices from March 1, and $6,200.00 and $1,500.00 were allowed for salaries and expenses of those offices.

† For itemized statement see page 40.

Amounts received on the following accounts and paid to City Register.

Board of inmates	$ 478 46	
Sales of old materials	402 86	
		$ 881 32
Expended of appropriation	$104,869 21	
Less revenue returned to City Register	881 32	
		$ 103,987 89

Table showing division of disbursements.

Administration	$ 12,064 60	
General house	35,627 90	
Hospital	23,258 27	
Insane	26,988 48	
Farm	4,226 66	
Repairs and improvements	2,703 30	
Total disbursements		$104,869 21

Average census 1247⅔.

Net cost per capita as to maintenance—1899, $77.87; 1900, $81.18.

Net cost per capita in the several Departments.

General house	$ 64 21
Insane	82 93
Hospital	128 65

From Purveyer's Monthly Statement.

Comparative Statement—1899 with 1900.

DEPARTMENTS.	1899.	1900.	Increase.	Decrease.
Center house	$ 9,109 35	$10,216 52	$1,107 17	
General house	15,391 13	17,214 52	1,823 39	
Insane	15,271 80	15,698 37	426 57	
Hospital	13,979 28	13,561 53		$ 417 75
Drugs and hospital supplies	3,421 45	3,864 22	442 77	
Laboratory	129 44	139 66	10 22	
Farm	4,031 95	4,226 66	194 71	
Stables	687 33	1,016 84	329 51	
Fuel	6,366 56	8,763 12	2,396 56	
Light	1,130 74	1,492 50	361 76	
Clothing	4,679 69	4,977 71	298 02	
Laundry	834 22	944 79	110 57	
Bedding	1,933 68	1,069 29		864 39
Painting	354 58	1,255 92	901 34	
Ordinary repairs	1,964 42	2,517 51	553 09	
General expenses	16,393 14	15,220 75		*1,172 39
Special improvements	4,223 77	4,853 30	629 53	
Totals	$ 99,902 53	$107,033 21	$9,585 21	$2,454 53
			2,454 53	
Net increase			$7,130 68	

*Clerks in city office transferred to city office pay-roll.

TABLE A.

Showing the Number of Persons Admitted, Born, Died, Discharged, Escaped, etc., the Number Remaining at the End of each Month, and a Comparison with 1899.

1900.	Admitted.		Born.		Died.		Discharged.		Escaped.		Granted passes and did not return.		Remaining.	
	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.
January	160	132	.....	.....	22	26	67	55	3	2	15	4	1,369	1,339
February	135	155	.....	1	22	27	67	99	3	1	9	7	1,403	1,361
March	150	100	.....	.....	27	21	154	130	.....	2	20	21	1,352	1,287
April	101	95	2	.....	29	28	173	134	2	4	14	22	1,237	1,194
May	93	101	1	.....	16	25	123	124	3	2	22	11	1,167	1,133
June	123	133	1	.....	18	22	72	79	.....	2	13	14	1,188	1,149
July	118	104	.....	1	34	20	72	64	.....	4	12	11	1,188	1,155
August	105	112	.....	.....	19	21	87	81	5	.....	9	8	1,173	1,157
September	113	106	.....	1	24	14	55	63	2	1	16	14	1,189	1,172
October	154	114	1	1	27	26	97	61	5	6	10	12	1,205	1,182
November	140	125	1	1	22	22	70	56	1	1	6	11	1,247	1,218
December	120	201	1	.....	21	22	37	74	1	2	9	5	1,300	1,316
Totals	1,512	1,478	7	5	281	274	1,074	1,020	25	27	155	140	.....	.....

	1900.	1900.	1899.	1899.
In the Asylum December 31	1,316		1,294	
Total ingress, including readmissions	1,519	2,835	1,483	2,777
Total egress		1,535		1,461
In the Asylum December 31		1,300		1,316

The Number of Single Admissions and Readmissions, and a Comparison with 1899.

	1900.	1899.
Single admissions	1,277	1,254
Readmissions	242	229
	1,519	1,483

1900.	1899.	
155	153	Admitted to Asylum 2 times.
28	26	" " 3 "
9	5	" " 4 "
1	1	" " 5 "
.....	1	" " 6 "

TABLE B.

Showing the Birth-place of Persons Admitted to the Almshouse from January 1, 1900, to December 31, 1900, and a Comparison with 1899.

NATIVES.	1900.	1899.	FOREIGNERS.	1900.	1899.
Baltimore	507	483	Ireland	225	222
Maryland	184	175	Germany	158	166
Virginia	83	76	Italy	2	2
Pennsylvania	55	60	Russia	25	22
New York	51	53	England	31	26
North Carolina	15	21	Scotland	19	16
District of Columbia	17	16	Poland (Russia)	10	9
Massachusetts	23	14	Austria	8	6
Ohio	9	8	France	3	9
New Jersey	12	6	Sweden	3	.....
South Carolina	.....	6	Denmark	5	3
Delaware	4	5	West Indies	3	2
Connecticut	4	4	Wales	4	6
Rhode Island	1	4	Spain	2	.....
Louisiana	2	3	Africa	.....	2
Wisconsin	2	3	Mexico	2	.....
Illinois	3	3	Norway	2	3
Maine	1	3	Switzerland	3	2
Kentucky	2	3	Canada	1	5
Tennessee	3	3	Brazil	.....	2
Missouri	1	2	Bohemia	2	7
Mississippi	1	2	Portugal	.....	1
Florida	.....	2	Holland	.....	1
Indiana	1	2	Greece	.....	1
Alabama	1	1	East Indies	.....	1
Minnesota	.....	1	China	1	1
Nebraska	.....	1	British Guiana	1	1
Georgia	4	.....	Arabia	1	.....
California	2	.....	Cuba	1	.....
Michigan	1	.....	Nova Scotia	1	.....
West Virginia	2	.....			
Arkansas	1	.....			
Vermont	3	.....		513	516
New Hampshire	1	.....			
Texas	1	.....	Natives	1,006	967
Almshouse	7	5			
Unknown	2	2			
	1,006	967		1,519	1,483

TABLE C.

Showing the Ages of Persons Admitted to the Almshouse from January 1, 1900, to December 31, 1900, and a Comparison with 1899.

	1900.	1899.
Uunder 1 year		1
From 1 year to 10 years	4	3
" 10 " 20 "	38	42
" 20 " 30 "	178	183
" 30 " 40 "	290	259
" 40 " 50 "	310	336
" 50 " 60 "	297	309
" 60 " 70 "	256	207
" 70 " 80 "	110	106
" 80 " 90 "	19	31
" 90 " 100 "	4	1
" 100 " 101 "	2	
Unknown	4	
Born in Almshouse	7	5
Totals	1,519	1,483

TABLE D.

Showing the Period of Residence in the City of All Persons Admitted to the Almshouse from January 1, 1900, to December 31, 1900, and a Comparison with 1899.

	1900.	1899.
Born in Baltimore	507	483
Less than one week	50	49
One week and less than one month	33	43
One month and less than three	13	23
Three months and less than six	23	11
Six months and less than twelve	23	19
One year and less than two	31	15
Two years and over	823	828
Unknown	9	7
Born in Almshouse	7	5
Totals	1,519	1,483

TABLE E.

Showing Daily and Monthly Averages of Persons Remaining in Almshouse from January 1, 1900, to December 31, 1900, and a Comparison of Averages with 1899.

1900.	White.			Colored.			Total Daily Averages.		Residence.				Totals.	
									In Baltimore for One Year or More.		In Baltimore Less Than One Year.			
	Men.	Women.	Children.	Men.	Women.	Children.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.
January	660	380	9	139	154	3	1,345	1,317	1,316	1,301	29	16	1,345	1,317
February	690	387	10	144	159	3	1,393	1,362	1,355	1,338	38	24	1,393	1,362
March	671	385	10	145	159	3	1,373	1,333	1,336	1,322	37	11	1,373	1,333
April	595	379	10	133	158	3	1,278	1,232	1,259	1,227	19	5	1,278	1,232
May	532	377	10	126	155	4	1,204	1,157	1,186	1,150	18	7	1,204	1,157
June	499	383	9	116	153	4	1,164	1,138	1,145	1,126	19	12	1,164	1,138
July	512	389	9	114	153	4	1,181	1,154	1,163	1,141	18	13	1,181	1,154
August	511	388	10	114	151	4	1,178	1,156	1,158	1,140	20	16	1,178	1,156
September	510	384	9	111	154	4	1,172	1,162	1,150	1,157	22	5	1,172	1,162
October	539	376	9	115	149	4	1,192	1,176	1,157	1,165	35	11	1,192	1,176
November	562	380	10	118	149	5	1,224	1,195	1,193	1,179	31	16	1,224	1,195
December	591	388	9	120	155	5	1,268	1,251	1,246	1,234	22	17	1,268	1,251
Totals	6,872	4,596	114	1,495	1,849	46	14,972	14,633	14,664	14,480	308	153	14,972	14,633
Monthly Averagings, 1900	572 8/12	383	9 6/12	124 7/12	154 1/2	3 10/12	1,247 8/12	.....	1,222	.....	25 8/12	.....	1,247 12/12	.....
Monthly Averagings, 1899	538 11/12	385 6/12	8 5/12	132	151	3 7/12	.....	1,219 7/12	.....	1,206 8/12	.....	12 9/12	.....	1,219 12/12

TABLE F.

Showing the Number of Persons Committed to the Almshouse by Magistrates, and their Age, Sex, Color and Period of Commitment from January 1, 1900 to December 31, 1900; and a Comparison with 1899.

1900.	Sex and Age.					Period of Commitment.								
	White Males, 19 yrs. and over.	White Females, 16 yrs. and over.	Colored Males, 22 yrs. and over.	Colored Females, 25 yrs. and over.	Totals.	One week.	Two weeks.	Three weeks.	One month.	Two months.	Three months.	Six months.	One year.	Totals.
January	1	4	1	1	7				1	6				7
February	4	2	1	2	9				2	7				9
March	3	2			5					5				5
April	1		3	2	6				2	4				6
May	3	3	1		7				1	5			1	7
June	1	5	1		7					7	1	1		9
July	4	2	1	1	8				1	6		1		8
August	3	1	1	1	6					6				6
September	6	1		1	8					7	1			8
October	2	3	1		6				1	2	2	1		6
November	3	4			7					6		2		7
December	1			1	2					2				2
Totals 1900	33	27	10	11	81				8	63	4	5	1	81
Totals 1899	39	25	10	5	79	1	2	1	2	73				79

TABLE G.

Showing the Birthplace of Persons Committed to the Almshouse as Vagrants, etc., by Magistrates and Criminal Court, from January 1, 1900, to December 31, 1900; also a Comparison with 1899.

NATIVES.	1900.	1899.	FOREIGN.	1900.	1899.
Baltimore	28	23	Ireland	13	15
Maryland	10	4	Germany	13	16
Pennsylvania	2	3	Russia	3	2
New York	2	4	Scotland	.....	2
Illinois	.....	1	England	.....	1
District of Columbia	1	2	Italy	1	.....
Florida	.....	1			
Tennessee	.....	2			
North Carolina	.....	1	Natives	51	43
Virginia	5	2			
Massachusetts	1	.....			
California	1	.....			
Michigan	1	.....			
	51	43		81	79

TABLE H.

Showing What are Believed to be the Habits of Persons Admitted to the Almshouse from January 1, 1900, to December 31, 1900; and a Comparison with 1899.

	1900.	1899.
Intemperate adults	1,032	1,027
Temperate adults	466	427
Children of temperate parents	8	22
Children of intemperate parents	.....	1
Unknown	13	6
	1,519	1,483

TABLE I.

Showing the Number of Births and Deaths in each Month, and the Sex and Color, from January 1, 1900, to December 31, 1900; and a Comparison with 1899.

1900.	Births.					Deaths.				Deaths Children		
	White Males.	White Females.	Colored Males.	Colored Females.	Totals.	White Males.	White Females.	Colored Males.	Colored Females.	White.	Colored.	Totals.
January	.....	.....	.....	.....	.....	11	5	4	2	.....	.....	22
February	.....	.....	.....	.....	.....	8	1	6	7	.....	.....	22
March	.....	.....	.....	.....	.....	13	6	4	4	.....	.....	27
April	1	.....	.....	1	2	12	4	7	6	.....	.....	29
May	.....	.....	.....	1	1	8	4	2	2	.....	.....	16
June	.....	1	.....	.....	1	7	4	3	4	.....	.....	18
July	.....	.....	.....	.....	.....	9	8	9	7	1	.....	34
August	.....	.....	.....	.....	.....	10	4	2	3	.....	.....	19
September	.....	.....	.....	.....	.....	10	2	4	8	.....	.....	24
October	.....	1	.....	.....	1	14	2	3	8	.....	.....	27
November	1	.....	.....	.....	1	15	2	3	2	.....	.....	22
December	.....	1	.....	.....	1	13	2	4	2	.....	.....	21
Totals 1900	2	3	.....	2	7	130	44	51	55	1	.....	281
Totals 1899	.....	3	.....	2	5	102	60	69	41	1	1	274

BAYVIEW ASYLUM

INSANE DEPARTMENT

STATISTICS OF THE INSANE

TABLE A.

General Statement for the Year Ending December 31, 1900.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Number of patients in hospital Dec. 31, 1899.....	43	190	56	78	367
" " admitted from Baltimore....	36	42	20	20	118
" " " by birth...	1	1	.....	.....	2
" " transferred from almshouse.	4	8	3	5	20
Total number under treatment.....	84	241	79	103	507
Number of patients discharged.....	17	24	6	7	54
" " transferred to Springfield...	5	10	.....	.....	15
" " " almshouse....	4	5	7	.....	16
" " escaped.....	5	.....	.....	.....	5
" " died.....	13	15	8	14	50
Total egress during the year.....	44	54	21	21	140
Remaining in hospital December 31, 1900.....	40	187	58	82	367
Received twice during the year.....	3	3	.....	.....	6

TABLE B.

Showing Time of Treatment of those Discharged or Transferred.*

	White Male.	White Female.	Colored Male.	Colored Female.	Totals.
One month or less	8	8	1	2	19
Between 1 and 2 months	8	3	3	1	15
" 3 " 6 "	8	6	3	3	20
" 6 " 12 "	2	3	5	.....	10
" 1 " 2 years	3	6	1	.....	10
" 2 " 5 "	1	8	.....	1	10
" 6 " 8 "	.....	3	.....	.....	3
" 8 " 10 "	.....	1	.....	.....	1
" 10 " 12 "	.....	.....	.....	.....	.....
" 12 " 15 "	1	1	.....	.....	2
Totals	31	39	13	7	90

*Including 5 who escaped.

TABLE C.

Showing Monthly Admissions, Discharges or Transfers, Deaths and Number of Patients.

	Admitted.	Discharged or transferred.*	Died.	No. of patients at end of each month.
January	17	6	7	371
February	2	4	3	366
March	14	5	1	374
April	8	5	7	370
May	9	11	1	367
June	19	9	2	375
July	13	5	8	375
August	17	8	4	380
September	7	7	1	379
October	7	17	7	362
November	15	5	7	365
December	12	8	2	367
	140	90	50	

Average number of patients during the year, 370.63.
Highest number of patients, September 28, 1900, 382.
Lowest number of patients, November 11, 1900, 357.

*Including 5 who escaped.

TABLE D.

Showing Nativity of Patients Admitted During the Year.

Baltimore	63
Maryland	21
New York	1
Pennsylvania	5
Virginia	11
West Virginia	1
Georgia	1
Arkansas	1
Ohio	2
Cuba	1
Austria	1
Bohemia	1
Germany	11
Ireland	7
Russia	10
Poland	2
Prussia	1
Total	140

TABLE E.

Showing Occupation of those Admitted During the Year.

Baker	1	Janitress	1
Barber	1	Laundress	1
Barkeeper	1	Laborer	18
Bell Boy	1	Marketman	1
Book-keeper	1	Missionary	1
Broommaker	2	Newsboy	1
Brass polisher	1	None	13
Carpenter	2	Painter	1
Cabinetmaker	2	Peddler	3
Candymaker	1	Plasterer	1
Cook	3	Quilter	1
Domestic	32	Rag-picker	1
Dressmaker	2	Seamstress	3
Engineer	3	Shirtmaker	2
Fireman	1	Shoemaker	1
Housewife	20	Tailor	3
Housekeeper	4	Tailoress	1
Hostler	1	Teacher	1
Hodcarrier	1	Typesetter	1
Huckster	1	Waiter	3
Janitor	1		
Total			140

TABLE F.

Showing Mental Condition of those Admitted during the Year.

Mania, acute	1
" chronic	1
" periodical	6
" post-epileptic	3
" recurrent	3
Melancholia	10
" simple	4
Dementia senile	18
" pre-senile	4
" organic	1
" syphilitic	6
Confusional insanity	1
Chronic delusional insanity	6
Acute alcoholic "	3
Chronic " "	12
Epileptic "	4
Menopause "	2
Stuporous "	1
Imbecility	36
Idiot	3
Paranoia	5
General Paresis	5
Acute excitement	1
Unclassified	4
Total	140

TABLE G.

Showing Time of Treatment of those who Died during the Year.

	White Male.	White Female.	Colored Male.	Colored Female.	Total.
One month or less	1			1	2
Between 1 and 3 months	3	1	1	2	7
" 3 " 6 "	2		1	2	5
" 6 " 12 "	1	1		1	3
" 1 " 2 years	2	2	3	3	10
" 2 " 4 "	2	4	2	1	9
" 4 " 6 "		3	1		4
" 6 " 8 "		1		2	3
" 10 " 12 "	1			1	2
" 12 " 15 "	1	3		1	5
Total	13	15	8	14	50

TABLE H.

Showing Cause of Death of Those Who Died During the Year.

Apoplexy	2
Aortic regurgitation	1
Carcinoma of breast	1
" stomach	1
Cerebral hemorrhage	1
Dilatation of the heart	1
Diarrhea chronic	1
Endocarditis	1
Exhaustion of pre senile dementia	1
" senile dementia	2
" syphilitic dementia	3
" pre senile mania	1
" general paresis	4
Intersusseption	1
Nephritis chronic interstitial	6
Oedema of lungs	1
Pneumonia	8
Phthisis pulmonalis	7
Rupture of Aortic aneurism	1
Syphilitic gangrene	1
Suicide by hanging	1
Typhoid fever	4
Total	50

TABLE I.

Showing Mental Disorder of Those who Died During the Year.

Alcoholic insanity—chronic	1
Circular "	1
Delusional " chronic	2
Dementia, pre senile	5
" senile	11
" syphilitic	4
" terminal	2
Epileptic insanity	4
General paresis	6
Imbecility	9
Mania pre senile	1
" recurrent	1
Melancholia, simple	1
" chronic	1
Menopause insanity	1
Total	50

TABLE J.

Showing Mental Disorders and Condition of those Discharged or Transferred.

	Recovered.	Improved.	Unimproved.	Total.
Mania, acute	1	1	.....	2
" sub-acute	.....	.....	1	1
" periodical	.....	2	.....	2
" chronic	.....	.....	2	2
" recurrent	.....	2	1	3
Melancholia	1	5	2	8
" simple	.....	1	2	3
" chronic	.....	.....	2	2
Dementia, acute	.....	1	.....	1
" pre-senile	.....	1	1	2
" senile	.....	2	4	6
" syphilitic	.....	1	.....	1
" terminal	.....	.....	1	1
" traumatic	.....	.....	1	1
" organic	.....	1	.....	1
Adolescent insanity	.....	1	.....	1
Confusional "	.....	1	1	2
Delusional " chronic	.....	2	.....	2
Alcoholic " acute	1	.....	.....	1
" " chronic	.....	4	1	5
Epileptic "	.....	2	1	3
Stuporous "	.....	1	.....	1
General paresis	.....	.....	3	3
Imbecility	.....	.....	19	19
" with excitement	.....	9	1	10
Paranoia	.....	.....	3	3
Unclassified	4	.....	.....	4
Total	7	37	46	90

Bayview Asylum

HOSPITAL DEPARTMENT

Statistics of Diseases

HOSPITAL DEPARTMENT.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
General Diseases.						
Alcoholism acute	181	177	2	2	.....	.....
Alcoholism chronic	24	.....	20	4	.....	.....
Anæmia, Secondary	5	.....	5	.....	.....	.....
Delerium tremens	20	19	.....	1	.....	.....
Diabetes insipidus	3	.....	1	1	.....	1
Diabetes mellitus	4	.....	3	.....	1	.....
Debility general	135	116	8	.....	1	10
Fevers.						
Malaria tertian	51	50	.....	.....	.....	1
Malaria quotidian	1	1	.....	.....	.....	.....
Malaria astero-autumnal	91	80	5	.....	.....	6
Malarial cachexia	14	10	2	.....	.....	2
Febricula	23	20	.....	.....	.....	3
Typhoid	7	6	.....	.....	.....	1
General tuberculosis	2	.....	.....	.....	2	.....
Hay-fever	8	6	1	.....	.....	1
Hiccough	1	1	.....	.....	.....	.....
Influenza	71	60	9	.....	.....	2
Insolation	3	3	.....	.....	.....	.....
Inanition	3	1	.....	.....	2	.....
Leukæmia lymphatic	1	.....	.....	.....	1	.....
Malingering	36	36	.....	.....	.....	.....
Measles	5	5	.....	.....	.....	.....
Opium habit	4	.....	1	3	.....	.....
Opium poisoning	1	1	.....	.....	.....	.....
Obesity	1	.....	.....	1	.....	.....
Purpura hemorrhagica	1	.....	.....	.....	1	.....
Rheumatism acute	32	28	2	.....	.....	2
" chronic	238	2	151	65	.....	20
" sub-acute	28	10	18	.....	.....	.....
" gonorrheal	13	3	9	.....	.....	1
" intercostal	10	8	1	.....	.....	1
" muscular	49	22	18	5	.....	4
Senility	83	.....	12	20	34	17
Diseases of Digestive System.						
Amyloid liver	1	.....	.....	1	.....	.....
Atonic Dyspepsia	3	.....	2	1	.....	.....
Anorexia	12	10	2	.....	.....	2
Biliary Colic	2	1	.....	.....	.....	1

HOSPITAL DEPARTMENT—Continued.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Diseases of Digestive System—Con.						
Cirrhosis of liver	8	.....	2	6	.....	.....
Carsinoma of liver	1	.....	.....	.....	1	.....
" " oesophagus	1	.....	.....	.....	1	.....
" " intestine	1	.....	.....	.....	1	.....
" " pancreas	2	.....	.....	.....	2	.....
" " stomach	2	1	.....	.....	1	.....
" " rectum	1	.....	.....	.....	1	.....
Constipation acute	12	12	.....	.....	.....	.....
" chronic	253	53	175	20	.....	5
Diarrhea acute	79	76	1	.....	.....	2
" chronic	30	13	14	2	1	.....
Dysentery acute	9	8	.....	.....	1	.....
" chronic	1	.....	.....	.....	1	.....
Fecal impaction	70	70	.....	.....	.....	.....
Gastro-enteritis acute	25	19	....	.....	6	....
Gastro-enteritis catarrhal	1	1	.....	.....	.....	.....
Gall stone	1	1	.....	.....	.....	.....
Purulent enteritis	1	1	.....	.....	.....	.....
Stomatitis apthons	3	3	.....	.....	.....	.....
" mercurial	6	5	1	.....	.....	.....
Diseases of Osseous System.						
Arthritis deformens	1	.....	.....	1	.....	.....
"Housemaids' knee"	1	.....	.....	1	.....	.....
Necrosis of sternum	1	.....	1	.....	.....	.....
" inf. maxilla	2	1	1	.....	.....	.....
Osteitis, T. B. C	1	1	.....	.....	.....	.....
Potts disease	3	.....	.....	2	1	.....
Spinal curvature	1	.....	.....	1	.....	.....
Talipes equinus	1	.....	.....	1	.....	.....
" varus	2	.....	.....	2	.....	.....
Diseases of Eye and Ear.						
Abscess of lacrymal sac	3	2	.....	.....	.....	1
Blepharitis marginalis	1	.....	1	.....	.....	.....
Catarac	1	.....	.....	1	.....	.....
" double	1	.....	.....	1	.....	.....
Cerumen impacted	5	5	.....	.....	.....	.....
Conjunctivites, simple	7	6	.....	1	.....	.....
" chronic	1	.....	1	.....	.....	.....
Contusion of eye	2	2	.....	.....	.....	.....

HOSPITAL DEPARTMENT—Continued.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Diseases of Eye and Ear—Con.						
Choroiditis	1	1				
Corneal ulcer	1	1				
Detached retina	1			1		
Entropion	2		2			
Iritis, rheumatic	3	2	1			
" syphilitic	13	9	3			1
Keratitis, dendritic	1	1				
" syphilitis	2	1	1			
" ulcerative	1	1				
Kerato iritis	2	2				
Mastoiditis	1				1	
Optic atrophy (traumatic)	1					1
Otitis media	7		5			2
Pterygium	2	1				1
Panopthalmitis	1			1		
Retinitis	1		1			
Trachoma	2	1	1			
Diseases of Heart and Circulation.						
Angina-pectoris	1				1	
Aneurism, aorta	3		2	1		
" " abdominal	1				1	
" innominate	1				1	
Aortic, regurgitation	13		12	1		
" stenosis	10		7	3		
" and mitral regurg	17		11	1	4	1
Cardiac, asthenia	4				4	
" neurosis	1		1			
" dilatation	2				2	
Endocarditis	1			1		
Embolism (cerebral)	1				1	
Mitral, regurg	86		40	39		7
Mitral, steuasis	4		3	1		
Pericarditis, acute	2				2	
Tricuspid, insufficiency	1		1			
Varicose veins	20		14	4		2
Arteria sclerasis	21			18		3
Diseases of the Kidneys.						
Amyloid kidney	1			1		
Fatty kidney	1			1		

HOSPITAL DEPARTMENT—Continued.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Diseases of the Kidneys—Con.						
Floating kidney	3			3		
Nephritis, acute	10	4			5	1
" chronic interstitial	360		147	172	26	15
" parenchymatous	9			1	8	
Oxaluria	5	4				1
Pyelo-nephrasis	1				1	
Pyo-nephrasis	1				1	
Uræmia	1				1	
Diseases of the Nose and Throat.						
Catarrh, chronic	2		1			1
Caryza, acute	46	43	1			2
Deflected septum	1		1			
Inflammation of frontal sinuses	1		1			
Laryngitis, acute	5	5				
" tubercular	1		1			
Necrosis of palate, (syph.)	1		1			
Pharyngitis, acute	16	15				1
Rhinitis syphilitic	1		1			
Tonsilitis { simple	6	6				
Tonsilitis { follicular	5	4				1
Tonsilitis { chronic	5		3			2
Diseases of Respiratory System.						
Asthma	17		15	1		1
Bronchitis, acute	89	80	5			4
" chronic	198	71	60	57		10
" sub-acute	2		1			1
Bronchiectasis	1		1			
Bronchitis, chronic and emphysema	5		2		3	
Emphysema	29		12	13		4
Phthisis pulmonalis	152		36	36	46	34
Pleuritis, acute	27	23	2		2	
" sub-acute	1	1				
Pneumonia, broncho	11	8			3	
" hypostatic	1	1				
" lobar	17	5			11	1
" purulent	1				1	
Pulmonary edema	1	1				
Fitroid phthisis	3		2	1		
Foreign body in trachea	1				1	

HOSPITAL DEPARTMENT—Continued.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Diseases of Nervous System.						
Aphasia	3		2			1
Apoplexy	19		3	3	12	1
Chorea	1					1
Dementia	28			20		8
Embolism cerebral	2				2	
Epilepsy	44		5	24	1	14
Gastralgia	8	5	1	2		
Hemiplegia	48		16	20	6	6
Hysteria	6		2	2		2
Idiocy	19			5		14
Lead poisoning, chronic	1		1			
Lumbago	47	16	20	1		10
Melancholia	3					3
Meningitis	3				2	1
Myelitis	4		2	1	1	
Neuralgia	10	6	3			1
Neurasthenia	23	3	14	6		
Neuritis, arsenical	2		1			1
" alcoholic	2		1	1		
" multiple	5		2	3		
" syphilitic	2		1	1		
" traumatic	4	2	1			1
" peripheral	1		1			
Paralysis infantile	1					1
Opium habit	2		1			1
Paraplegia spastic	3		1	2		
Poliomyeletis	1			1		
Progressive muscular atrophy	2			1		1
Raynaud's disease	1			1		
Sciatica	4	2	2			
Sclerosis multiple	3		2			1
Tabies darsalis	17		1	10	1	5
Hydrocephalus	1					1
Vertigo	3	1	1			1
Diseases of Skin.						
Acne Rosacea	3		3			
Dermatitis	4	4				
Eczema, acute	3	3				
" chronic	4	1	3			
Fibromata multiple	1			1		

HOSPITAL DEPARTMENT—Continued.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Diseases of Skin—Con.						
Lichen Ruber	3		2			1
Lupus Vulgaris	2		1	1		
Pediculasis	9	8				1
Psariasis	3	2	1			
Rhus toxicodendron	8	7				1
Scabies	1	1				
Diseases of Stomach.						
Dilatation of stomach	1		1			
Gastritis, acute	10	9				1
" alcoholic	6	6				
" chronic	8		8			
Gastric carcinoma	1	1				
" ulcer	1	1				
Gastroxynsis	1		1			
Hematemesis	1		1			
Genito-Urinary Diseases.						
Cystitis, acute	1	1				
" chronic	2	1	1			
Epididymitis	14	13				1
Incontinence of urine	24	1	17	3		3
Retention of urine	2	1				1
Diseases of Women.						
Abscess of broad ligament	2	2				
" " vulva	2	2				
Carcinoma of uterus	5			2	3	
" " vulva	1		1			
" " ceroix	1		1			
Cystocele	1	1				
Cystitis	1	1				
Dysmenorrhœa	3		2			1
Endometritis	6	2	1			3
Epithelioma of vulva	1			1		
Lacerated cervix	5	1	2			2
" perineum	2	1	1			
" cervix and perineum	3	2				1
Ovarian cyst	2			2		
Retroflexion of uterus	3	1				2

HOSPITAL DEPARTMENT—Continued.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Diseases of Women—Con.						
Retroversion of uterus	1	.....	1	.....	.....	.....
Recto vaginal fistula	2	.....	1	.....	.....	1
Salpingitis	3	2	.....	.....	1	.....
" chronic	1	.....	1	.....	.....	.....
Vaginitis, simple	2	2	.....	.....	.....	.....
" specific	3	.....	3	.....	.....	.....
Venereal Warts	2	2	.....	.....	.....	.....
Obstetrics.						
Normal labor, mother and child well	5	.....	.....	.....	.....	.....
Miscarriage, mother well, child still-born	1	.....	.....	.....	.....	.....
Surgical Diseases.						
Adenitis, axilliary	3	3	.....	.....	.....	.....
cervical	6	2	3	.....	.....	1
inguinal	16	15	.....	.....	.....	1
Abscess	26	24	.....	.....	.....	2
Arthritis	3	.....	2	.....	.....	1
Ankylasis	5	.....	3	2	.....	.....
Appendicitis	2	1	1	.....	.....	.....
" chronic	1	.....	1	.....	.....	.....
Abscess of liver	1	.....	.....	.....	.....	1
Bites	2	2	.....	.....	.....	.....
Burns	9	8	.....	.....	.....	1
Bursitis	1	1	.....	.....	.....	.....
Cellulitis	31	25	.....	.....	.....	6
Carcinoma, breast	6	.....	.....	3	2	1
" face	3	2	.....	1	.....	.....
" intestines	1	.....	.....	1	.....	.....
" liver	2	.....	.....	2	.....	.....
" lung	1	.....	.....	.....	1	.....
" nose	1	1	.....	.....	.....	.....
" œsophagus	1	.....	.....	1	.....	.....
" pancreas	2	.....	.....	2	.....	.....
" rectum	1	.....	.....	1	.....	.....
" prostate	1	.....	.....	.....	1	.....
Contusion	25	20	4	.....	.....	1
Coxalgia, T. B. C	4	.....	.....	2	2	....
Chancroid	29	20	5	2	.....	2
Chancre	3	3	.....	.....	.....	.....
Cystitis, acute	1	1	.....	.....	.....	.....

HOSPITAL DEPARTMENT—Continued.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Surgical Diseases—Con.						
Dislocation, elbow (old)	1	.....	1	.....	.....	.....
" shoulder	3	3	.....	.....	.....	.....
" " (old)	1	.....	1	.....	.....	.....
Fissure of anus	1	1	.....	.....	.....	.....
Fistula of anus	2	.....	1	.....	.....	1
Fractures of femur	2	1	1	.....	.....	.....
" fibula	3	3	.....	.....	.....	.....
" humerus	1	1	.....	.....	.....	.....
" inf. maxilla	1	1	.....	.....	.....	.....
" neck of femur	3	2	1	.....	.....	.....
" old	4	.....	2	2	.....	.....
" radius	3	1	.....	.....	.....	2
" ribs	4	4	.....	.....	.....	.....
" skull, comp.	1	.....	.....	.....	1	.....
" tibia	1	1	.....	.....	.....	1
" ulna	2	1	.....	.....	.....	.....
" metatarsal bones	1	1	.....	.....	.....	.....
" comp. of tibia and fibula	1	.....	.....	.....	.....	1
Fistula, recto urethral	2	.....	2	.....	.....	.....
Frost-bite	15	14	1	.....	.....	.....
" gangrene	1	.....	.....	.....	1	.....
Floating kidney	1	.....	.....	1	.....	.....
Erysipelas	12	12	.....	.....	.....	.....
Furunculosis	4	2	.....	.....	.....	2
Gangrene, senile	4	.....	1	.....	2	1
Goitre	1	.....	.....	.....	.....	1
Gonorrhœa, acute	25	20	2	.....	.....	3
" chronic	3	.....	2	.....	.....	1
" sub-acute	3	1	2	.....	.....	.....
Gun-shot wound of brain	1	.....	.....	1	.....	.....
" " lung	1	1	.....	.....	.....	.....
Hemorrhoids	10	4	4	2	.....	.....
Hernia inguinal	5	.....	.....	3	.....	2
" double inguinal	8	.....	2	3	.....	3
" ventral	1	1	.....	.....	.....	.....
Hydrocele	5	.....	1	2	.....	2
Lacerated and contused wounds—eye	5	4	.....	.....	.....	1
" " " foot	2	1	.....	.....	.....	1
" " " hand	7	6	.....	.....	.....	1
" " " head	11	10	.....	.....	.....	1
" " " hip	5	4	1	.....	.....	.....
" " " lip	2	2	.....	.....	.....	.....

HOSPITAL DEPARTMENT—Concluded.

Diseases.	Cases Treated.	Cured.	Improved.	Unimproved.	Died.	In Hospital Dec. 31, 1900.
Surgical Diseases.—Con.						
Lacerated and contused wounds—mouth	1	1				
" " " scalp	3	2				1
Necrosis of femur	1		1			
" nasal bones	3		2			1
" tibia	2		1			1
Osteitis of tibia	1		1			
Oyster hand	9	6				3
Para-phimosis	4	4				
Peritonitis	3	1			2	
Phemosis	12	9	1			2
Phletitis	1		1			
Prolapse of rectum	4		2			2
Prostatitis	2	2				
Prostatic hypertrophy	5		2	2		1
Rupture of urethrea	1	1				
Sprains	16	6	8	1		1
Stricture rectum	4	1	2			1
Stricture urethre	12	5	5			2
Synoritis	8	4	3			1
Syphilis, secondary	32		30	2		
Syphilis, primary	3		3			
Syphilis, tertiary	146		92	35	1	18
Spasmotic stricture urethrea	3	2				1
Sepsis	3				3	
Talipes varus	1			1		
Tumors, non-malignant	5	3		2		
Osteo-sarcoma	1					1
Ulcers, breast	2	1				1
" foot	3	2	1			
" heel	2	2				
" knee	2	1	1			
" leg	98	39	48			11
" rectum	3	1	2			
" thigh	1	1				
" toe	2	2				
" tubercular	2	2				
" multiple	1		1			
Varicose veins	5		4			1

APPENDIX

EXTRACTS FROM LAWS OF MARYLAND, 1898, CHAPTER 123, NEW CHARTER OF BALTIMORE CITY, ON SUPERVISORS OF CITY CHARITIES.

104. The Supervisors of City Charities shall be the first sub-department of Charities and Corrections, and the head of this sub-department shall be a board composed of nine persons, appointed by the Mayor as provided in Section 25 of this Article, who shall be removable as therein provided. Their term of office shall be for six years, three of them to retire at the end of every two years; except that the Supervisors first appointed shall determine by lot their terms of office, so as to provide for the termination of the term of three Supervisors each at the end of the first two and four years. The said Supervisors shall have been citizens of Maryland for at least five years, and residents of the City of Baltimore for at least one year prior to their nomination. The Mayor, in the appointment of said Supervisors, shall designate one of their number as President, and the Supervisors shall elect a Secretary, who shall be paid a salary of one thousand five hundred dollars per annum, payable monthly, and shall discharge such duties as the Supervisors shall describe. The said Supervisors shall serve without pay. They shall be appointed by the Mayor from among those whom he deems, by reason of their intelligence, experience and character to be the most capable of caring for the poor, economically, intelligently and humanely. In the selection of the said Supervisors and in their action in matters relating to the duties imposed upon them by law or ordinance, ecclesiastical or party ties shall not be regarded, so that the care of the poor may be entirely out of the field of political or religious differences and controversies. The duty of said Supervisors shall be to determine what sick, insane or other destitute persons are proper charges on the city, and to provide for the proper care of such

persons, in so far as money may be appropriated for that purpose by the city. The Supervisors shall have the power to appoint and fix the compensation of such officials and subordinate employes as they may deem necessary for the proper conduct of the business entrusted to them, not to exceed in number of employes or aggregate amount of compensation the limit fixed by ordinance. The Supervisors shall report annually to the city upon all Departments of their work, including the work of those institutions with which the city has contracted for the care of any poor persons, and they shall perform all the duties heretofore performed by the Trustees of the Poor, unless otherwise provided in this Article.

105. All appropriations by the Mayor and City Council of Baltimore for the treatment, care or support of the indigent poor in institutions not owned by the city, or for dispensary treatment, shall be by contract, in which the city shall agree to pay so much per capita for persons placed, treated or prescribed for in such institutions or dispensaries so contracting with the city, and in no case shall a gross sum be paid to any such institution or dispensary. Every such contract shall contain a stipulation that the city shall incur no obligation therefrom for any amount not provided for or in excess of the appropriation made for the fiscal year in carrying out such contract. No public moneys shall be paid to any institution or dispensary for the treatment, care or support of any person until the said Supervisors have determined and certified in writing that such person is a proper subject of municipal aid.

106. No appropriation shall be made or money expended for the maintenance, outside of the Almshouse or other city home, of any adult poor person or persons, except the sick, insane or other special classes requiring special treatment, or homeless persons requiring temporary care only; provided, the city has adequate accommodations at the Almshouse or other city home. All poor persons who, in the judgment of said Supervisors, require special care or treatment outside of a city

institution, may be placed by said Supervisors in any institution or institutions with which the city has contracted for such care or treatment, which they, in the exercise of their judgment, after careful inspection and inquiry, shall deem best fitted to give the necessary care or treatment.

107. The Mayor and City Council of Baltimore, through the said Supervisors, shall have care and supervision over such children as shall be committed to or placed in those institutions with which the city may have contracted and as shall have been duly accepted by said Supervisors as proper charges on the city. Said Supervisors shall have power to remove any child from any such institution to which he or she has been committed or placed, and to place said child in any other such institution, when it is apparent to the Supervisors that from improper treatment or for other good cause the welfare of the child requires such removal. No such child shall be discharged from the institution to which he or she shall have been committed or placed (unless by direction of a court of a competent jurisdiction), or be transferred to any other institution or to the care of any individual, without the approval and consent of the said Supervisors. It shall be the duty of the Supervisors, as far as is practicable, to place all destitute or neglected children who are under their care or in their charge, in some institution or home for children or without payment of board in some respectable family in the State of Maryland, and to have the children visited and their circumstances carefully examined at least once in every six months by one of the Supervisors or by a skilled agent or agents appointed by them for the purpose. On the preliminary question of the commitment of any destitute or neglected child, said Supervisors or their agent, shall be summoned by the committing officer and heard as to whether the parent or guardian of the child to be committed is entitled to the aid of the city, and if on the return of the summons of the said Supervisors, or their agent,

further time is required by them or him to make inquiry as to the pecuniary ability of said parent or guardian, further time, not exceeding twenty-four hours, shall be given. The wish and request of the parent or guardian as to the place of commitment shall be respected, unless good cause to the contrary be shown by the Supervisors. The Supervisors of City Charities shall have power to place foundlings in any proper institution with which the city has a contract.

108. The Supervisors may admit into the almshouse and receive under their care, in addition to those paupers which the laws of this State authorize and require, such indigent or distressed persons as in their opinion the dictates of humanity or particular circumstances render proper or necessary. In cases of emergency any Supervisor may direct the admission of any destitute, indigent or distressed person to the almshouse.

109. The Supervisors shall prescribe, provide for and direct all matters relating to the support, treatment and employment of all paupers, vagrants and other persons in the almshouse, or any other place under their care and charge.

LAWS OF MARYLAND, 1900, CHAPTER 603.

AN ACT to repeal Sections 1, 3 and 31 of Article 59 of the Code of Public General Laws, title "Lunatics and Insane," and to re-enact the same with amendments.

Lunatics and Insane.

SECTION 1. *Be it enacted by the General Assembly of Maryland*, That Sections 1, 3 and 31 of Article 59 of the Code of Public General Laws, title "Lunatics and Insane," be and the same are hereby repealed and re-enacted so as to read, respectively, as follows:

Indigent insane; how cared for.

1. When any person is alleged to be a lunatic or insane, and without sufficient means to pay for his or her maintenance at an asylum, and who has no relative or relatives, or others legally chargeable with his or her support, the County Commissioners of the county in which such person may reside, or the Supervisors of City Charities of the Department of Charities and Corrections of the City of Baltimore (if such person resides in the City of Baltimore) shall, upon the written certificates of two qualified physicians, made in accordance with the provisions of Section 31 of this Article, cause such person to be sent to the almshouse of the county or city to which he belongs, or to an hospital or some other place better suited to his condition, there to be confined at the expense of the county or city until he shall have recovered and be discharged in due course of law; but if demanded by the alleged lunatic or insane person, or any of his relatives or friends, or if requested by the Board of County Commissioners of the county in which the alleged lunatic or insane person resides, or by the Supervisors of City Charities of the Department of Charities and Corrections of

the City of Baltimore, if said person resides therein, the Circuit Court for the county in which said person may reside, or the Criminal Court of Baltimore (if such person resides in the City of Baltimore) shall cause a jury of twelve good and lawful men to be empaneled forthwith, and shall charge the said jury to inquire whether such person is insane or lunatic; and, if found so, it shall be the duty of the County Commissioners or of the Supervisors of City Charities of the Department of Charities and Corrections of Baltimore City to cause such person to be sent to the almshouse of the county or city to which he belongs, or to an hospital, or to some other place better suited to his condition, there to be confined at the expense of the county or city until he shall have recovered and be discharged in due course of law. It shall be the duty of any Board of County Commissioners and the Supervisors of the City Charities of the Department of Charities and Corrections of the City of Baltimore, before whom any such alleged lunatic or insane person is brought for commitment, under this section; if not satisfied that such person is a lunatic or insane, as defined in Section 3 of this Article, to notify the State's Attorney of said county or city, and he shall immediately thereupon bring the said question before the Circuit Court of the said county, or the Criminal Court of Baltimore City, for the determination in accordance with the provisions of this section. Nothing contained in this section shall prevent the friends or relatives of such lunatic or insane persons from confining him or providing for his comfort.

Jury shall investigate cases of insanity, etc.

No person shall be deemed entitled to the benefit of the preceding sections who shall possess or be entitled to receive sufficient income for his maintenance and support as a patient in any home, retreat or hospital for the insane in this State, or who has relatives or

Insane patients not entitled to benefits of preceding section.

others legally chargeable with the support of the said person who are able to pay for the maintenance and support of the said person as a patient at any home, retreat or hospital for the insane in this State. The county commissioners of any county or the Supervisors of City Charities of the Department of Charities and Corrections of the City of Baltimore may consent in writing to the commitment in accordance with the provisions of Section 1 of this Article, of any indigent insane person from the respective counties or the city aforesaid not able to pay the whole cost of his maintenance, but who may be able to pay for part thereof, as a reimbursing patient, and designate the rate per week which shall be reimbursed to the county or City of Baltimore, from which said patient is committed; but no person shall be committed as a reimbursing patient who is himself able, or who has relatives or others legally chargeable with the support of said person, who are able to pay the rates for private patients at the State Hospital or at any institution, home or retreat for the insane within the State.

Physician's certificates required, etc.

No person shall be committed to or confined as a patient in any institution, public, corporate or private, or almshouse or other place for the care and custody of the insane and idiotic, except upon the written certificates of two qualified physicians of the State of Maryland, made within one week after separate examinations by them of said alleged lunatic, and setting forth the insanity or idiocy of such person and the reason for such opinion. No certificate shall be of force which shall be presented for the commitment of any patient more than thirty days after date of examination. The form of physician's certificate shall be substantially as follows:

Form of certificate.

State of Maryland, County or City of ———, date ———, I, a resident of the County or City of ——,

being a graduate of ——— Medical College, and having practiced as a physician five years, do hereby certify that on this ——— day of ——— I have personally examined ———, age ——, (sex) ———? (social state), and do verily believe that the said ——— is insane, and that the disease is of a character which, in my opinion, requires that the person shall be placed in a hospital or other establishment where the insane are detained for care and treatment. I further certify that I am not related by blood or marriage to the said ———, nor in any way connected as medical attendant or otherwise with the hospital or other establishment in which it is supposed to place the aforesaid ———, and that this certificate is signed and made within one week of the examination of the patient.

———— ————, M.D.

Residence ————————.

This section shall not apply to the cases of voluntary commitments as provided for in Section 37.

SEC. 2. *And be it further enacted*, That this Act shall take effect from the date of its passage.

Approved April 10, 1900.

LAWS OF MARYLAND, 1900, CHAPTER 316.

An Act to define the powers and authority of juvenile institutions and societies.

Define powers of juvenile institutions, etc.

SECTION 1. *Be it enacted by the General Assembly of Maryland*, That all bodies incorporated or to be incorporated under the General Laws for the purpose of the care, custody, guardianship or protection of minors generally, or of any particular ages or classes, have the power and authority following:

1. To retain children legally committed or confided to them until the age of eighteen years in females and twenty-one years in males.

2. To place out such children in suitable homes, upon such terms as the managers deem beneficial to the children, subject to the control and supervision of the managers, custody not to be absolutely relinquished in any case, and a record to be kept of the time of placing out, name and residence of persons with whom placed, and terms and conditions of placing out. And it is the duty of the managers to cause every child so placed out to be visited not less than once in six months, in order to inquire into its welfare.

May place children in homes subject to supervision of managers.

3. To exercise parental authority and control over such children, and make all needful provisions as to the care, maintenance and education.

4. To procure the commitment of such children in cases of necessity to reformatory institutions.

SEC. 2. *And be it enacted*, That the foregoing provisions are not to be understood to effect the power of courts to adjudicate all questions as to the custody of minors, irrespective of any alleged or supposed claim or right of guardianship or custody, or to abridge or affect any corporate rights of any institution, or to prevent the receiving of minors under such limitations, or for such definite periods as any institution may be by their regulations direct or prescribe.

Shall not effect the power of courts, etc.

Approved April 5, 1900.

ANNUAL REPORT

OF THE

Superintendent of Lamps and Lighting

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

Fiscal Year Ending December 31, 1900

BALTIMORE:
WM. J. C. DULANY CO., PUBLIC PRINTERS.

1901.

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REPORT.

OFFICE OF
SUPERINTENDENT OF LAMPS AND LIGHTING,
CITY HALL ANNEX.

BALTIMORE, January 2, 1901.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have the honor to submit for your consideration, this, my first and the twenty-first annual report, showing the items of expenditure, and presenting a review of the management of affairs connected with the lighting of the City of Baltimore for the year ending December 31, 1900.

ELECTRIC LIGHTING.

When I assumed charge of this office the United Electric Light and Power Company was under contract to supply electric lights at $127.75 per lamp per annum, said contract terminating September 7th, last.

This price seemed to me excessive for, notwithstanding the number of improvements made in the operation of its plant, all of which tended to lesson the cost of production, the city was forced to pay the same rate charged during the past decade.

Believing this matter of sufficient importance to justify an investigation, and for the purpose of comparison, I obtained from the lighting departments of a number of cities data that confirmed my opinion, and I immediately proceeded to take such action necessary in securing a more equitable rate.

Although a commission has been appointed for the purpose of considering the erection of a Municipal Electric Plant, it was found that at least four years would have been required from the inception to the completion of such plant, therefore, it became evident that no immediate relief need be looked for from this source.

The time approaching for the expiration of the old contract, bids were invited from each and every company capable of supplying a light equal to 2,000 candle power, and specifications submitted to all responsible parties applying for same.

The United Electric Light and Power Company was awarded the contract September 13, 1900, for a period of five years at its bid of $99.92 per lamp per annum, a net reduction of $27.83 per lamp in the price of the old contract, and a saving in the aggregate of about $40,000 per annum. At this point I wish to call attention to a clause in the contract whereby the company is obligated to use the recently constructed conduits, paying the city a rental for same of $4,000 per annum.

The conduits serve another purpose, and one that will be greatly appreciated by the general public, viz: the removal of the unsightly wooden poles and the dangerous overhead feed wires, thus assuring a greater degree of safety than heretofore.

On May 22d last a strike or lockout of the electric light workmen began, lasting until August 14th. Realizing the seriousness of the condition confronting the Department, orders were at once issued that all available material be collected for the purpose of installing, temporarily, such lamps as the occasion required. Gas, gasoline and the Kitson incandescent lights were distributed advantageously, and so promptly were the orders of this Department executed by the different companies that I desire to express my sincere thanks for their effective co-operation in the work.

The police department rendered me invaluable service during the strike, the completeness and efficiency of their daily reports proving potent factors in relieving districts requiring attention.

The expense of the emergency lighting amounted to $13,496.26, and was promptly paid by the United Electric Light and Power Company upon presentation of our claim.

There are in service throughout the city 1,394 electric arc lamps.

SPECIFICATIONS

For Installing and Maintaining Electric Arc Lamps, or for other Lamps of an Equal Candle Power, for the City of Baltimore.

1. Bids must be submitted in sealed envelopes endorsed, "Proposals for Electric Lights or for other Lights of an Equal Candle Power," and addressed to the Board of Awards, in care of George N. Numsen, City Register.

2. All bids must be for lights now in service in the streets, lanes and alleys of Baltimore City, and are to include, at the proportionate rate, any others that may be ordered erected by the Superintendent of Lamps and Lighting within the corporate limits of the city of Baltimore.

3. The contractor shall furnish, erect and maintain all poles, wiring, lamps, connections and fixtures, including mast arms or brackets, as may be required, and shall keep in proper repair all poles, lamps and fixtures; and in case of any suits for damages caused by the electric current or want of it at points where lamps should be burning, or where wires are placed for the purpose of supplying said lamps, the contractor shall agree to defend all such suits at his own expense, and pay all damages for which the city may become liable by reason of such suits.

4. Poles for street lamps and circuits, and the apparatus of suspension for lamps, must not be dangerous, unsightly or such as to incommode the adjoining property unnecessarily, but shall be erected in a manner satisfactory to the Superintendent of Lamps and Lighting, and his written approval of any new lamps erected under these specifications; his approval, however, shall not relieve the contractor of responsibility in case of accident or injury to person or property.

5. A current strength of not less than nine and six-tenths (9 6-10) amperes, and a voltage of not less than fifty at each and every lamp, in each and every circuit, sufficient to produce what is known as a 2,000-candle-power light, must be maintained from time of starting up and during the hours of lighting, and every arc lamp shall be supplied with half-inch carbons of the best quality, (and any lamp other than an arc lamp shall be supplied with the best quality Hydro-Carbon Mantels), with globes of clear glass, of uniform thickness and proper shape, to avoid casting rings or streaks of light and shadow; said globes to be kept clean and whole; and that all electric lamps used for lighting the streets shall burn with a clear, steady, white light, without undue flickering or hissing each and every night during the term of this contract.

6. For the purpose of making tests of the current and voltage supplied to the lamps, and of examining apparatus and appliances, it is understood and agreed that the contractor will furnish to such proper person or persons as the Superintendent of Lamps and Lighting may authorize, access at all times to all lamps, poles, conduits, apparatus or machinery on the streets or to any of the stations of the contractor supplying current or light under this contract, and the said Superintendent of Lamps and Lighting shall have the privilege at any and all times the lamps are burning of testing any of the said circuits at such point or points as may be selected by the Superintendent of Lamps and Lighting, by the use of such standard measuring instruments as he may desire to use, and he shall maintain such instruments in circuit for so long a time as he may deem it advisable, and any electric or other high candle-power lamp not found up to the standard, as provided by these specifications, will not be considered as burning.

7. The Superintendent of Lamps and Lighting shall deduct two (2) nights' pay for every light not up to the standard, or two (2) nights' pay for each lamp upon a circuit

not up to the standard, and five (5) nights' pay for any light which the contractor shall fail to light during the night; provided, that the Superintendent of Lamps and Lighting may, if the circumstances require in fairness that a less deduction be made, remit part of the penalty imposed by this section.

8. On or before the last day of each month the Superintendent of Lamps and Lighting shall furnish to the contractor a schedule showing the time when the lamps shall start to burn for each day of the next ensuing month, and the time when they shall be extinguished, which shall be approximately from sunset to half an hour to sunrise respectively.

9. If any lamp or lamps shall be extinguished or not lighted during a portion of the night exceeding thirty minutes consecutively, the Superintendent of Lamps and Lighting shall deduct from the bills of the contractor half the amount which the contractor would be entitled to receive if such lamp or lamps had been lighted during the whole night; for each and every lamp which shall be extinguished or not lighted for sixty minutes consecutively, the Superintendent of Lamps and Lighting shall deduct the full amount which the contractor would be entitled to receive if such lamp or lamps had been lighted the whole night, which deductions are hereby agreed upon, fixed and determined as liquidated damages which the contractor will suffer by reason of such lamps being extinguished as aforesaid, and not by way of penalty.

10. Any failure on the part of the contractor to light the lamps as required by the terms of these specifications, to such an extent as to require the city to provide for any other, or a similar character of light, which may be necessary to meet the conditions that exist as a result of such failure to light the city streets, the additional expense of all such emergency lighting shall be charged to the contractor under this contract.

11. The contractor must maintain, at his own expense, an efficient system of patrol for inspecting lamps during the

hours they are burning, so that any lamp which fails to burn properly shall be promptly reported and put in order or immediately replaced. It is understood by the contractor that the utmost diligence shall be used in order that the streets, lanes and alleys shall be efficiently lighted, and to this end a sufficient number of men shall be employed as inspectors, so that each lamp may be examined at least three times per night.

12. The contractor shall each day, before 12 o'clock noon, make a written report to the Superintendent of Lamps and Lighting, stating the number and location of any lamps extinguished or not burning on the preceding nights, if any; the time when each lamp was reported extinguished or not burning, and the time the lamp was replaced and started burning; and the said report shall also state the cause for each said lamp being extinguished or failing to burn; and if any of the said lamps are extinguished by reason of the failure of the current to supply said lamps, or for any other reason, his report shall contain a statement of the cause of such failure to supply current.

13. Lamps not burning in a manner satisfactory to the Superintendent of Lamps and Lighting shall be changed and proper lamps substituted within twelve hours after the notice has been given by the Superintendent of Lamps and Lighting that the lamps referred to did not burn satisfactorily.

14. The Superintendent of Lamps and Lighting may require the contractor to furnish a vertical half ground globe for the purpose of shading such house or houses as may be deemed advisable, in the judgment of the Superintendent of Lamps and Lighting, which the contractor shall then furnish without any additional cost.

15. The contractor shall furnish to the Superintendent of Lamps and Lighting, within five days of his request, the number and geographical location of each lamp on each circuit, and shall also specify the order in which the lamps are located on the circuits. No changes from this schedule will be per-

mitted except with the written permission of the Superintendent of Lamps and Lighting.

16. No service whatever, other than that contracted for by the city and maintained on the city circuits, shall be supplied from the circuits giving current to the city lamps under these specifications, unless such service shall be approved in writing by the Superintendent of Lamps and Lighting.

17. All safety appliances known to the best electrical practice shall be used throughout the system, authorized directly or indirectly by this contract, and any improvements made in lamp fixtures by the contractor shall be made known to the Superintendent of Lamps and Lighting, and, if required by him immediately, supplied to all lamps furnished under this contract without additional cost.

18. Changes of location of lamps must be made by the contractor within a reasonable time after the receipt of the notice from the Superintendent of Lamps and Lighting, and the actual cost only of the labor used in making the change shall be charged to the city. And the Superintendent of Lamps and Lighting reserves the right at any time to discontinue any lamp or lamps as he may deem expedient; provided, however, that the number of lamps contracted for under these specifications shall not be diminished so long as the contract made in pursuance thereof is in force.

19. All arc lamps and electrical supply service which are located in the district shown on the map of city conduits, and are shown as connected into the city conduits by a lateral connection, are to be served entirely from circuits carried underground in said city conduits, and from all circuits carried underground in all conduits hereafter constructed, as soon thereafter as practicable. The lateral duct connection to and up the lamp pole for the proper distance will be made and owned by the City of Baltimore. The cable furnishing service to each and every arc lamp within the contemplated underground district is to be owned and operated by the successful

bidder, together with all appliances and devices necessary for the proper operation of the lamps. The cable which is to be used under these specifications, it is understood, may be purchased by the City of Baltimore at the expiration of the contract period at a price to be agreed upon between the successful bidder and the City of Baltimore. It is further conditioned that the successful bidder, upon execution of a satisfactory contract, is to pay unto the City of Baltimore for the use of the duct or ducts that may be occupied by the arc light cable a price per duct foot per annum as may be later fixed by the Electrical Commission and approved by the Mayor and City Council of Baltimore; said rental or price to be the same as that to be charged other companies or individuals for the same use, and not to exceed seven (7) cents per foot of duct per year.

20. The contractor under the specifications shall within ninety days after the expiration of this contract, remove any and all lamps, lamp posts and fixtures used, erected and maintained by him for the city lighting, if so required by the Mayor and City Council of Baltimore.

21. Nothing in these specifications shall be construed to prohibit or prevent the Mayor and City Council from contracting for or establishing, using and maintaining their own electric lighting system for the purpose of lighting the city streets or any building under the control or supervision of the said Mayor and City Council; and when the said Mayor and City Council shall provide its own electrical lighting system the Mayor may, upon one year's notice to the contractor, annul the contract made in this specification; provided this concluding provision relating to anulling the contract upon one year's notice shall only apply to a contract which exceeds three years in duration.

22. In the employment of the laborers in the execution of this contract it is expressly understood that preference is to be given to the registered voters of the City of Baltimore.

23. The lamp-posts, poles, conductors, lamps, carbons, and each and every other article or apparatus which may be necessary for electric lighting are to be furnished and maintained by the contractor at his own cost and expense, and the lamps, wires, and other conductors shall be thoroughly insulated, and shall be placed in such locations and in such manner as will prevent them from being tampered with or handled by any unauthorized person or persons, and the City of Baltimore shall not be held responsible for any injury or accident which may be occasioned by the conductors or electric current. And the said contractor or contractors hereby further agree that he or they will indemnify and save harmless the City of Baltimore, its officers, agents or servants, and each of them, against and from all suits, and actions of every name and description brought against them, or any of them, and against and from all damages and costs to which they or any of them may be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of said work of lighting the streets, or from any improper or defective material, machinery, implement or appliance used in performing the same, or from any act or omission of said contractors or their agents.

24. Each bidder must enclose with his bid a certified check for five hundred ($500) dollars, made payable to the order of the Mayor and City Council of Baltimore; the check of the successful bidder will not be returned until he has given a satisfactory bond for the proper carrying out of the contract. If he fails to furnish the bond as required within ten (10) days after the award is made his check shall be forfeited to the city.

25. And it is further agreed that on and after the first day of each and every month during the term of this contract the contractor shall furnish proof, to the satisfaction of the Superintendent of Lamps and Lighting, that the said contractor has fully performed and fulfilled this contract in all the particulars and conditions aforesaid during the preceding month,

and particularly that he has operated and maintained the lamps at the candle power, produced by nine and six-tenths amperes, and a voltage of not less than fifty at each and every lamp, etc., as hereinbefore specified, and that all lamps have been kept clean and properly attended during all the time that the lamps were required to be kept lighted. Upon so doing the said Superintendent of Lamps and Lighting shall certify the fact, and in his certificate state the amount to which the contractor shall be entitled to for all the duties performed by said contractor such preceding month, and annex thereto a requisition upon the Comptroller to pay the contractor therefor the sum to which said contractor shall be so entitled; and without such proof, to the satisfaction of the Superintendent of Lamps and Lighting, he shall not make any certificate nor requisition on the Comptroller; and without such proof being furnished by the contractor to the Superintendent of Lamps and Lighting, the said contractor shall not be or become entitled to any payment in respect to services which were required to be done, or should have been done, in such preceding month.

26. Bids must be for a term of one year. Proposals may be submitted in addition, however, for the term of two, three or five years.

27. Bond in double the contract price will be required, and the contractor, by said bond, shall idemnify and hold harmless the Mayor and City Council of Baltimore City against any and all claim which may be made by reason of any infringement of any patent right in the use of the lamps, dynamos or any other article, apparatus or process which may be used in operating or maintaining the lamps under these specifications; and said bond shall also indemnify and hold harmless the Mayor and City Council of Baltimore, its officers, agent or servants, and each and every of them against and from all suits of actions of every name and description brought against the Mayor and City Council of Baltimore, or any of its officers, agents or

servants, and also from all damages and costs to which it, they or any of them may be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of its obligations under this contract, to wit.: by lighting the streets or from any improper or defective material, bracket, burner, implements or appliances used in the performance of the same, or from any act or omission of said contractor or its agents.

28. Failure on the part of the contractor to comply with any of the conditions of these specifications, shall be sufficient cause for the Mayor to annul this contract upon giving thirty days' notice in writing to the contractor of his election to do so.

29. The Board of Awards reserves the right to reject any or all bids, or to accept any portion of a bid, as they may deem best for the interest of the City of Baltimore.

ROBERT J. McCUEN,
Superintendent of Lamps and Lighting.

Approved as to form and legal sufficiency:

OLIN BRYAN,
First Assistant and Acting City Solicitor.

Approved:

THOMAS G. HAYES,
President Board of Awards.

CONTRACT.

THIS AGREEMENT, Made this 13th day of September, in the year nineteen hundred, by and between the Mayor and City Council of Baltimore, of the one part, and The United Electric Light and Power Company, a corporation duly incorporated under the laws of the State of Maryland, of the other part.

Whereas, Under and in conformity with the provisions of the New City Charter, proposals were duly advertised for lighting with electric arc lamps, in whole or in part, the avenues, streets, lanes, courts, alleys or highways of the City of Baltimore, and the parks of said city, by the party of the first part; and the party of the second part did submit bids in accordance with the said proposals and the specifications which were on file in the office of the Superintendent of Lamps and Lighting, unto the Board of Awards; and,

Whereas, Said specifications provided for a contract to be made, if so desired, for the period of five years; and,

Whereas, The bid of the said party of the second part to contract for the lighting in whole or in part of the said avenues, streets, lanes, alleys and other public places of the City of Baltimore, as also the parks of said city with electric arc lamps, where electric arc lamps are now used in the said City of Baltimore, as also for such other additional lights as may be hereafter deemed necessary by the Superintendent of Lamps and Lighting, at and for the price of ninety-nine dollars and ninety-two cents ($99.92) for each and every lamp for each year; provided the contract was made for the term of five years from the date of said award; and,

Whereas, Said bid so submitted was duly accepted by the said Board of Awards for the period of five years from the date of said award, and the said United Electric Light and Power Company was thereupon awarded the contract for said period of five years at the said sum of ninety-nine dollars and ninety-two cents ($99 92) for each and every lamp for each

year, upon the conditions, stipulations and specifications filed herewith, being a true copy of those which were filed in the office of the Superintendent of Lamps and Lighting when the advertisement was inserted.

Now, Therefore, in consideration of the premises, and the further consideration of the contract for the lighting of the said avenues, streets, lanes, alleys and other public places of the City of Baltimore, including the parks thereof, where electric arc lights are now used, or may hereafter be ordered to be erected by the Superintendent of Lamps and Lighting, the said The United Electric Light and Power Company doth hereby covenant and agree that it will light and keep burning all the electric arc lights which are now, or may hereafter lawfully be placed in or upon any of the avenues, streets, lanes, alleys, courts or highways of the said City of Baltimore, or in any of the public parks thereof, upon the terms and conditions set forth in the said specifications on file with the Superintendent of Lamps and Lighting, a copy whereof, as hereinbefore referred to, is hereto annexed, and is intended to be, and does, in fact, form a part of this contract as fully as though the same had been set out in full herein.

And the said United Electric Light and Power Company doth further covenant and agree that it will, in all respects, comply with and fulfill the requirements of said specfications and each and every paragraph thereof.

And it is expressly agreed by the said The United Electric Light and Power Company, that whenever, and as often as any of the said lamps in the City of Baltimore shall cease or fail to burn, it will use every means in its power to, and as soon as practicable, relight the same and keep said lamp or lamps burning for the remainder of the night, even though by the terms of the specifications the said United Electric Light and Power Company is to receive no pay for said lamp for that night by reason of the same having been out for one hour during the said night.

And it is expressly assented to by the said The United Electric Light and Power Company, that its failure to use every means in its power to relight, from time to time, and as often as the same shall go out, every light in the City of Baltimore, shall, in addition to the express causes set forth in the above contract and attached specifications, be a cause for the forfeiture of this contract under Section 28 of said specifications.

It is further covenanted and agreed that the said The United Electric Light and Power Company shall give unto the City of Baltimore a bond for the amount required by said specifications in some surety company, to be approved by the party of the first part, conditioned for the performance of all the terms of this contract.

And it is further covenanted and agreed that the party of the first part shall make monthly settlements with the party of the second part for the lighting of said city upon the terms agreed upon.

In witness whereof, the Mayor and City Council of Baltimore hath caused its seal to be affixed hereto, and the Mayor thereof, Thomas G. Hayes, to set his hand hereto; and the said The United Electric Light and Power Company has also signed this contract by its President, and has caused its corporate seal to be hereto attached, on the day and year first above written.

THE UNITED ELECTRIC LIGHT AND POWER COMPANY,
By NELSON PERIN,
President.

Attest:
W. STUART SYMINGTON,
Secretary.

THOMAS G. HAYES,
Mayor.

Approved as to form and legal sufficiency,
WM. PINKNEY WHYTE,
City Solicitor.

[SEAL.] U. E. L. AND P. CO. OF BALTIMORE CITY.

BOND.

Know all men by these presents, That we, The United Electric Light and Power Company of Baltimore City, and the Fidelity and Deposit Company of Maryland, a corporation of the State of Maryland, of the City of Baltimore and State of Maryland, are held and firmly bound unto the Mayor and City Council of Baltimore, in the full and just sum of two hundred and fifty thousand dollars, lawful money, to be paid to the Mayor and City Council of Baltimore, or to its certain attorney, to which payment well and truly to be made and done, we bind ourselves, our heirs, executors and administrators, jointly and severally, firmly by these presents, sealed with our seals, and dated this thirteenth day of September, in the year nineteen hundred.

Whereas, The Board of Awards did, in pursuance to an advertisement, based on certain specifications, a copy of which were and are now on file in the office of the Superintendent of Lamps and Lighting, award to The United Electric Light and Power Company, on the 13th day of September, 1900, a yearly contract to be renewed from year to year for the period of five years, at and for the sum of ninety-nine dollars and ninety-two cents ($99.92) per year, for each and every lamp; and,

Whereas, The said, The United Electric Light and Power Company, is about to enter into said contract for the said time at the said price, the same to be paid in monthly instalments; and,

Whereas, It is a condition precedent to the execution and delivery of said contract, that this bond shall be executed for the faithful performance thereof, and a strict compliance with each and all of the paragraphs of the specifications, upon which said contract is based, and which is made a part thereof and a copy attached thereto; and,

Whereas, It is agreed that the contract shall be included in and constitute a part of this bond as fully as though the same was set out in full in the body hereof.

F. & D. Co. of Md. [Seal].

And it is hereby agreed as part hereof, That this contract shall not be assigned without the written approval and consent of the Mayor and the Superintendent of Lamps and Lighting.

Now the condition of this obligation is such, That if the said United Electric Light and Power Company shall comply, in all respects, with the terms of said contract, and shall defend, indemnify and save harmless the Mayor and City Council of Baltimore against any suit or suits, loss, damage or expense to which the said Mayor and City Council may be subjected by reason of any default or negligence, want of skill, or care on the part of the said United Electric Light and Power Company, its agents or employees, in or about the performance and execution of said work, then this obligation be null and void, otherwise to be and remain in full force and virtue in law.

Signed and sealed in the presence of

W. Stuart Symington, *Secretary.*

The United Electric Light and Power Company of Baltimore City.

By Nelson Perin, *President.* [Seal].

Fidelity and Deposit Company of Maryland,

Per E. M. Warfield, *President.* [Seal].

Attest: Harry Nicodemus,

Assistant Secretary. [Seal].

Bond Approved:

Jas. H. Smith,

City Comptroller.

Form Approved:

Wm. Pinkney Whyte,

City Solicitor.

[seal]. U. E. L. and P. Co. of Baltimore City.

Approved:

Thomas G. Hayes,

Mayor.

GAS LIGHTING.

Under the present operative system the city pays the cost of maintenance of gas lamps at the rate of $32.50 per lamp per annum.

The Welsbach Street-Lighting Company of America furnish and adjust mantels, globes and burners at a contract rate of $12.00 per lamp per annum, said contract terminating March 1, 1901.

Overtures having been made by several reputable companies for permission to submit bids for the entire maintenance of gas lamps, the matter was given due consideration, resulting in a decision favorable to a contract of the nature outlined.

Bids having been invited, at the proper time and in legal manner, a contract for the maintenance of the street gas-lamps (the city to furnish the gas) was awarded by the Board of Awards to the American Street Lighting Company, November 26th, 1900, for a period of three years, at its bid of $14.15 per lamp per annum, but owing to the refusal of said company to be governed by a certain clause in the contract, the matter is still in abeyance.

In the event of a satisfactory settlement the execution of this contract will be the means of saving the city about $60,000 per annum, as compared with the present cost for the same service.

There are now in service throughout the city 6,136 gas lamps.

SPECIFICATIONS

For the Lighting of the Streets, Lanes and Alleys of Baltimore City.

1. Bids must be submitted in sealed envelopes endorsed "Proposals for the Lighting of the Streets, Lanes and Alleys of Baltimore City," and in the care of George N. Numsen, City Register.

2. The contractor is required to equip and maintain street lights for the city of Baltimore, of equal illuminating power with those now in use in said city; said lights may be of incandescent electric lights, or the Welsbach or any other similar device of not less than sixty (60) candle power for all the present gas lamps, or such number and in such location as the Superintendent of Lamps and Lighting may order—the minimum number during the term of this contract to be six (6,000) thousand, and also to equip in a similar manner as many more of said lamps as may be ordered from time to time by the Superintendent of Lamps and Lighting, and all of said lamps must be so equipped and ready for service within ninety (90) days after March 1, 1901. The contractor is further required to light, clean and extinguish, and maintain in thorough repair at all times, and renew all of said lamps and fixtures and parts so that the light shall at all times show the full candle power guaranteed.

Bidders shall bid—*First*—for all the above, including the supply of gas necessary to maintain and operate the said lamps; and

Second—shall also bid for all the above, the supply of gas to be furnished by the city at the burner.

Third—for furnishing lamps and equipment complete, for electric incandescent street lighting, and the supply of electric current sufficient to produce and maintain a light not less than sixty (60) candle power. Bidders are required to state in

their bids the candle power they propose to furnish, which shall not, in any event, be under sixty (60) candle power. The city shall have the right at all times, by giving six hours' previous notice to the contractor, to make a photometric test of the candle power furnished by the burner and lamps, at which test the city and the contractor shall be represented. The lamps shall be tested for candle power furnished under conditions substantially as they burn upon the streets and in such manner as will determine the average candle power of the light emanating from the lamp in every direction towards the street. A candle power shall be the illumination produced by the consumption of one hundred and twenty grains of sperm per hour from the best quality English standard sperm candles.

3. The contractor shall keep all the lamp posts, lanterns, equipments and property of the city painted and in thorough good order, supplying all broken parts, and shall deliver the same to the city at the end of the term in good order and condition. The burners shall remain the property of the contractor.

4. The contractor is required, if demanded by the Superintendent of Lamps and Lighting, to furnish, at his own cost, all the additional equipment necessary to fully carry out this contract, but the city reserves the right to purchase same, except burners, at the end of the term at cost price.

5. The contractor securing the work must carry it out under his own direction Any assignment, sub-letting, or otherwise permitting the work herein specified to be done by any one other than the contractor, or incumbering it in any way, will be sufficient cause for the abrogation of this contract by the city. Bidders must show to the satisfaction of the Superintendent of Lamps and Lighting their ability to do the work specified.

6. The contractor must employ such number of men as is necessary to efficiently and promptly attend to the work

required to give the city the best possible service, who must be registered voters of the City of Baltimore, except those having in charge the management of said work and service.

7. The lamps must be lighted and extinguished strictly in accordance with the schedule furnished by the Superintendent of Lamps and Lighting, which is approximately thirty-nine hundred hours per annum.

8. The contractor shall daily, before 12 o'clock noon, make a written report to the Superintendent of Lamps and Lighting, stating which lamps were out or defective the preceding night; if any, the length of time each lamp was out or defective, and the cause of such failure to burn, in accordance with the contract.

9. Any lamp that fails to burn continuously for the hours scheduled, and any lamp that is defective in burning, or which does not give the candle power as required by the contract, will subject the contractor to a fine of double the contract price per lamp per night for each and every night such lamp remains defective, where the same is due to the fault of the contractor or his agents.

10. Change of location of lamps must be made by the contractor at his expense, upon twenty-four (24) hours' notice by the Superintendent of Lamps and Lighting.

11. Lamps may be discontinued down to the minimum, and the number may be increased to any number at any time upon order of the Superintendent of Lamps and Lighting.

12. All lanterns, appliances, and fixtures furnished under this contract shall be of the latest improved pattern, and any improvement made in lamp fixtures by the said contractor shall be made known to the Superintendent of Lamps and Lighting, and, if requested by him, immediately supplied by said contractor to all the lamps furnished under this contract, without additional cost.

13. Each bidder must enclose with his bid a certified check for fifteen hundred ($1,500) dollars, made payable to the order

of the Mayor and City Council of Baltimore. The check of the successful bidder will not be returned until he has given a satisfactory bond for the proper carrying out of the contract. If he fails to furnish the bond as required, within ten days after the award is made, his check shall be forfeited to the city.

14. Bids must be for the term of one year. Proposals may be submitted in addition, however, for the term of two, three or five years.

15. Bond in double the estimated contract price will be required upon the award of the contract conditioned for the faithful performance of each and every of the terms of the contract to be performed by the contractor as herein specified, and also to indemnify and protect the city against all claims for damages and all loss of any kind that may arise by reason of infringement of patent or patents, or by reason of any suit or suits that may be brought or prosecuted on account of any alleged infringement of patent or patents.

16. Failure to comply with any portion of these specifications after ten days' notice, shall be sufficient cause for the abrogation of the contract.

17. The Board of Awards reserves the right to reject any or all bids, or to accept any portion of a bid, as they may deem for the best interest of the City of Baltimore.

ROBERT J. McCUEN,
Superintendent of Lamps and Lighting.

Approved:

THOMAS G. HAYES,
President Board of Awards.

COST OF GAS.

By an Act of the Legislature at its past session the price of gas was reduced from $1.25 to $1.10 per 1,000 cubic feet, said reduced price becoming effective June 1st, last, resulting in a saving to the city from that time to December 31st, 1900, inclusive, of $4,515.53.

The Consolidated Gas Company recognizing the justice of the claim of this Department for a special rate for gas to the city (the largest consumer) readily consented to my request for a consideration of this matter, and I am gratified to state that as a result the city will pay during the year 1901, $1 per 1,000 cubic feet; this concession of 10 cents per 1,000 cubic feet will result in a reduction of cost for year 1901, $5,553,66, (this item of reduction is based upon the consumption of gas for street lamps during the year 1900).

In this connection, I may add, that assurances have been given me by prominent officials of the gas company that a further reduction may be expected by the end of the present year.

INSPECTION OF GAS.

Each alternating day a test of the candle power of the gas is made in the laboratory of this Department, and the general average is thus obtained from the readings of these tests.

Volumetric separations of the constituents show the absence of impurities such as sulphur, ammonia, carbonic acid and other constituents that would make it deleterious after combustion. The standard is rated at five cubic feet per hour compared with a sperm candle burning one hundred and twenty grains in the same period. These candles are prepared under the direction of the Gas Referees of London, England.

There have been many complaints by the public regarding the quality of illuminating gas, yet the remedy for this condition is beyond the control of this Department, and, in my judgment, can be rectified only by an increase over the present standard of candle power.

I therefore recommend that such legislation be enacted as may be necessary to increase the standard of illuminating gas from twenty (the present standard) to thirty candle power.

Tabulated statement by months of the highest, lowest and general average of gas from December 1, 1899, to November 30, 1900, inclusive:

	Highest.	Lowest.	General Average.
December	28.00	24.74	26.53
January	28.79	25.85	27.13
February	28.05	23.66	26.19
March	28.45	23.87	26.62
April	31.00	25.78	28.12
May	27.19	26.50	26.82
June	27.35	25.08	26.14
July	28.72	24.74	27.04
August	29.72	23.55	25.86
September	26.42	24.67	25.47
October	27 67	25.74	26.64
November	28.36	25 16	26.65

Tabulated statement showing the highest, lowest and general average of the pressure:

	Highest.	Lowest.	General Average.
December	2.60	2.45	2.55
January	2.70	2.30	2.55
February	2.63	2.50	2.54
March	2.70	2.40	2.48
April	2.60	2.40	2.52
May	2.20	2.40	2.30
June	2.30	2.60	2.45
July	2.50	2.70	2.62
August	2.15	2.70	2.43
September	2.50	2.60	2.53
October	2.80	2.50	2.66
November	2.90	2.50	2.60

Photometric tests of the street gas lamps are made in the laboratory of this Department from time to time, to ascertain if the candle power is maintained by the contractor as required by the specifications and contract.

INSPECTION OF GAS METERS.

Early in my term I received a large number of applications for private meter tests, all of which were promptly and successfully given attention; the Department, I take pleasure in stating, was equal to the occasion and rendered entire satisfaction to the public demand.

It was found as a result of these inspections that 25 per cent. of the meters inspected were registering incorrectly. The Consolidated Gas Company upon being notified to this effect paid the inspection fee and allowed the legal rebate on each bill for four months preceding the test.

The Gas Company has since had an immense number of new meters inspected, while the requests from consumers for meter tests have greatly diminished, indicating that consumers are receiving the benefit of new meters.

REMOVAL OF GAS LAMPS.

In my tours of inspection I found in some sections a large number of gas lamps in operation in excess of the requirements, and immediately had all such removed and installed in localities from which applications for light had been received; thus extending the gas lighting service without additional expense.

GASOLINE LIGHTING.

The gasoline lamps are in service in sections of the city where there are no gas mains and are supplanted by gas lamps as rapidly as mains are laid.

A contract for supplying them with gasoline was awarded to Mr. R. Stanley Carswell at $13.75 per lamp per annum, and will expire June 30th, 1901.

Plans are under consideration by which it is intended to improve this service as to the increase of candle power and style of equipment.

There are in service throughout the city 1,109 gasoline lamps.

SPECIFICATIONS

For Filling and Supplying with Gasoline the Fluid Burning Lamps of the City of Baltimore.

Each bidder must enclose with his bid a certified check for five hundred ($500.00) dollars. And the bidder who has had the contract awarded to him, and who fails to promptly execute the required contract and bond, shall forfeit said check.

The checks of the unsuccessful bidders shall be returned to them after opening the bids and awarding the contract to the successful bidder.

The gasoline must be of the gravity of 72° to 75° and free from water, gum, glue or other impurities, and placed in the lamps through a seive or strainer in the filler.

The lamps must be filled every other day throughout the year, and oftener when required. It being understood that all lamps in the city must be filled on Saturday.

Any lamp that don't burn or that goes out, or burns dim for any part of the night, for want of gasoline, or because of any impurities in said gasoline, or if not filled according to the preceding section, will subject the contractor to a fine of twenty-five cents per lamp per night for each lamp requiring attention as above, which fine will be deducted from the amount that would be otherwise due, and the report of the condition of a lamp by the superintendent of the district in which the lamp is located shall be accepted as final.

Bond must be given in double the amount of the contract price.

To facilitate the work of the contractor a report will be given, if desired, each morning (Sundays and holidays excepted), at the office of the Superintendent of Lamps and Lighting, of all lamps then known to require attention.

The number of lamps may be increased or diminished at the pleasure of the Superintendent of Lamps and Lighting.

ROBT. J. MCCUEN,
Superintendent of Lamps and Lighting.

THOMAS G. HAYES,
President Board of Awards.

BOND AND CONTRACT.

Know all men by these presents, That we, R. Stanley Carswell, Robert S. Carswell, Henry Stansbury, of the City of Baltimore and State of Maryland, are held and firmly bound unto the Mayor and City Council of Baltimore in the full and just sum of thirty thousand ($30,000) dollars, lawful money, to be paid to the Mayor and City Council of Baltimore, or to its certain attorney, to which payment well and truly to be made and done, we bind ourselves, our heirs, executors and administrators, jointly and severally, firmly by these presents. Sealed with our seals and dated this 23d day of July, 1900.

For the faithful performance of the following contract by R. Stanley Carswell, the said R. Stanley Carswell agrees with the Mayor and City Council of Baltimore to furnish the gasoline for, and fill all the gasoline lamps of the city proper, and of the city annex, for the sum of thirteen dollars and seventy-five cents ($13.75) per lamp per annum, according to the specifications on file in the office of the Superintendent of Lamps and Lighting, and which specifications are hereby made a part of this contract, for one year from July 1, 1900, to and including June 30, 1901.

It is further agreed, that all the requirements of Article 1, Section 61, Baltimore City Code of 1893, shall be fully complied with as part of this contract.

It is further agreed, that the contractor shall employ registered voters of the City of Baltimore in the performance of the provisions of this contract.

And it is hereby agreed as part hereof, that this contract shall not be assigned without the written approval and consent of the Mayor, and the Superintendent of Lamps and Lighting.

Now the condition of this obligation is such, That if the said R. Stanley Carswell shall comply in all respects with the terms of said contract, and shall defend, indemnify and save

harmless the Mayor and City Council of Baltimore against any suit or suits, loss, damage or expense to which the said Mayor and City Council may be subjected by reason of any default or negligence, want of skill, or care on the part of the said R. Stanley Carswell, his agents or employees in or about the performance and execution of said work, then this obligation be null and void, otherwise to be and remain in full force and virtue in law.

Signed and sealed in the presence of
FRANK MURPHY.

R. STANLEY CARSWELL, [Seal.]
ROBERT S. CARSWELL, [Seal.]
HENRY STANSBURY, [Seal.]

Bond approved:
JAS. H. SMITH,
City Comptroller.

Form approved:
WM. PINKNEY WHYTE,
City Solicitor.

Approved:
W. STARR GEPHART,
Mayor Ex-officio.

KITSON INCANDESCENT (GASOLINE) LAMPS.

A contract was awarded by the Board of Awards to the Kitson Incandescent Lighting Company to furnish a high candle-power lamp, at $85,00 per lamp per annum, but as yet, none of these lamps have been installed.

INSPECTION OF ILLUMINATING OILS.

The city is patrolled weekly by inspectors for the collection of samples from all dealers who sell petroleum for illuminating purposes, in quantities less than a barrel. Daily tests are made of the samples at the laboratory of this Department.

About two per cent. of the samples have flashed at the standard of a flashing point of 120° Fahr., the balance ranged from 121° to 148° Fahr., above the standard, the density was from 48° to 49° Baume.

In one instance oil collected from a dealer was found to be below the legal standard quality. The case was promptly prosecuted and the offender was convicted and made to pay the prescribed penalty.

Seven accidents occurred from the explosion of oil which were reported by the Police Department, but upon investigation were found to be of minor importance and invariably caused by carelessness; the oil in each case having a range of from 3 to 10 degrees above the legal standard.

DISTRICT SUPERINTENDENTS.

There are employed in the Department six District Superintendents, whose duties are to patrol their respective districts, for the purpose of maintaining a general supervision over the work of the lamplighters, to see that the lighting service is up to the required standard, and to report all lamplighters who are derelict in the performance of their duties.

The territory to be patrolled by each district superintendent is so large that it precludes the possibility of a thorough inspection of the service; hence the necessity of redistricting the city.

I therefore recommend that authority be given for the appointment of two additional superintendents.

LAMPLIGHTERS.

There are now employed in the department 134 lamplighters, whose duties are as specified in the following code of rules:

RULES TO GOVERN THE LAMPLIGHTERS OF THE CITY OF BALTIMORE.

1. A card will be furnished by the first of each month giving the time to commence lighting and extinguishing the lamps; and if a lamplighter, for any cause, is unable personally to light or extinguish his lamps at the hours named on the card, he must immediately report the fact to his superintendent, as

it is unlawful for any person, other than those legally authorized, to light or extinguish any of the public lamps of the City of Baltimore.

2. Lamplighters must wear their badges, when on duty, on the outside of their coats, so they can be readily seen.

3. The lamps must be lighted and extinguished strictly in accordance with the time specified on this card. All lamps must be lighted within one hour from the time of beginning.

4. The lamps and street signs on the lamps must be kept clean at all times.

5. Lamplighters must, before removing the globe when cleaning, see that the shield is pulled down, and after replacing the globe, raise the shield to the full height of the mantle.

6. Lamplighters are required to keep the gasoline burners and burner plates clean, the needle in working order, and the gas passage pricked out with the regulating screw, so that the flame may burn the proper size. Gasoline lamps must not be left until the burners are thoroughly heated.

7. Lamplighters are required to report to their superintendent all defects found in the burning of the gas lamps at the time of lighting, also whether the same lamps have been fixed during the night.

8. Lamplighters must report all defects found in the burning of the lamps at the time of extinguishing, as well as any repairs that may be needed to keep the lamps or street signs on the lamps or sides of houses in good condition before eight (8) o'clock every morning.

9. Lamplighters must appear in person to receive their pay and sign the pay-roll.

Failure to observe the above rules will be considered sufficient cause for suspension.

MISCELLANEOUS.

ARC LAMPS AT RAILROAD CROSSINGS.

Impressed by the large number of railroad crossings within the limits of the city, and realizing that extraordinary precaution should be taken for the public's safety, it is essential that the proper lighting of said crossings be regarded as the most important feature in the accomplishment of this purpose.

Therefore, with this end in view, I have carefully inspected all such crossings, and regret to state the condition is not at all satisfactory, and should be remedied without any delay.

In my judgment electric lights are the only perfect illuminants for these places, and the installation of same should begin at once.

I therefore recommend that this matter, being of supreme importance, be immediately considered by the Mayor and City Council, and such legislation be enacted that will result in the correction of the existing evil.

I further recommend that the expense of installing and maintaining the necessary number of electric lights at these crossings be charged to the railroad companies, as in my opinion they are the chief beneficiaries, inasmuch as the proper illuminating of the crossings reduces to a minimum the probabilities of an accident.

(2.) MUNICIPAL PLANT.

Although a contract for electric lighting has been awarded for five years, I am convinced that the early erection of a municipal lighting plant, managed on strictly business principles, will advance the interest of the city, and heartily endorse every movement toward this end.

I take great pleasure in stating that this matter is being officially considered, and trust it may result in a determination to begin operations in the near future.

(3.) PETITIONS FOR LAMPS.

There are greatly increasing demands from citizens residing in the outlying sections for lamps of all kinds, and upon investigation I find the localities in urgent need of light.

To satisfy these just demands I have requested an appropriation that will be sufficient to maintain nearly three hundred (300) additional lamps of various kinds.

(4.) LAMPS IN PUBLIC SQUARES.

I find that it has been customary for this Department to assume the expense of maintaining lights in the several parks and squares in the city, while the law requires the Park Board to assume the expense of the maintenance of all such lamps out of the revenue derived from the park tax.

It is my judgment that the Park Board should be required to comply with the law in this connection.

(5.) LAMPS FOR PRIVATE THOROUGHFARES.

According to a decision of the City Solicitor I have no authority to install lamps of any description on streets, lanes or alleys not owned by the city.

Many such thoroughfares are without adequate illumination, and I have no power to render necessary relief, although our citizens residing on such thoroughfares are taxpayers.

I would therefore recommend the enactment of such legislation necessary to obviate this condition.

(6.) LIGHTING OF ALLEYS.

It is my opinion that all alleys in the resident section of the city should be thouroughly lighted with high candle power lamps.

Some of these alleys, having no gas mains, are now lighted by gasoline lamps, while others are not lighted at all.

These alleys are very dark, and in my judgment have a tendency to invite crime under cover of darkness.

In making my estimates for the next fiscal year I shall apply for an appropriation sufficient to cover the expense of illuminating these alleys.

(7.) RECORDS AND ACCOUNTS.

The records and accounts of this Department have been thoroughly systematized, being kept in a businesslike manner, and are subject to inspection by the public.

In the purchase of all supplies (for less than $500) competitive bids are invited, and where goods are of equal quality the order is given to the lowest responsible bidder.

It is demanded by this Department that all firms furnishing it merchandise shall deduct the usual discount allowed for cash payments.

(8) INSPECTION (OTHER CITIES).

It is my intention to take advantage of the earliest opportunity to visit certain cities with the object in view of inspecting the lighting system in detail, and introduce such improvements necessary for the advancement of the service.

COST OF LIGHTING THE CITY.

The cost of lighting the city for the year ending December 31, 1900, was as follows:

Office salaries	$3,000 00
District superintendents and lamplighters' salaries	64,575 14
Electric lamps	164,335 63
Gas lamps	140,203 30
Gasoline lamps	17,148 25
Incidentals	327 41
Total	$389,589 73

Total appropriations for year 1900	$416,795 28
Total expenditures for year 1900	389,589 73
Balance unexpended	$27,205 55

SUMMARY OF THE LAMP ACCOUNT.

ELECTRIC LAMPS.

Total number in service January 1st, 1900.....	1,391	
Installed during the year.....	29	
	1,420	
Transferred to Park Board, March 1st, 1900.....	26	
Total number in service January 1st, 1901.....		1,394

GAS LAMPS.

Total number in service January 1st, 1900.....	6,232	
Installed during the year.....	38	
Relighted during the year.....	7	
	6,277	
Discontinued during the year.....	141	
Total number in service January 1st, 1901.....		6,136

GASOLINE LAMPS.

Total number in service January 1st, 1900.....	1,085	
Installed during the year.....	27	
	1,112	
Discontinued during the year.....	3	
Total number in service January 1st, 1901.....		1,109
Total.....		8,639

INVENTORY OF THE PROPERTY OWNED BY THE CITY USED IN OPERATING THE LIGHTING SERVICE.

No.	Description.	Value.	Amount.
6,136	Gas-posts and fixtures	$8 50 each	$52,156 00
851	Unused gas-posts	4 00 "	3,404 00
125	"Miner" gas lamps and globes	4 39 "	548 75
1,109	Gasoline lamps (complete)	4 90 "	5,434 10
40	Unused Cedar posts	1 15 "	46 00
200	Lanterns	1 00 "	200 00
30	Sets, burners and valves	60 set...	18 00
15,000	Glass and enamel street signs, (number estimated)	25 each	3,750 00
	Machinery, tools and material of all kinds in shop	Estimated	300 00
	Glass for lanterns	"	94 00
1	Horse,		
2	Buggies,		
1	Set Harness,	"	300 00
1	Robe,		
1	Blanket,		
	Office furniture	"	250 00
	Meter testing apparatus and equipment	"	150 00
	Apparatus and instruments for testing electic lights, illuminating gas and oils	"	1,000 00
			$67,650 85

In conclusion I desire to state that upon becoming conversant with the affairs of the Department, I was impressed with what I believed to be an excessive cost for lighting the city.

Efforts were at once directed toward the adoption of plans by which a reduction might be affected, resulting in an unexpended balance of $27,205.55 for the year just ended, and beginning March 1st next, an annual saving, based upon the same service in operation during the year 1900, of about $105,000.00.

While it has been my intention to encourage economy wherever practicable, I wish to direct attention to the fact that the service has in no wise been impaired, but to the contrary, improvements made in all its branches.

I desire to thank the press of the city for its effective support of all my efforts in administering the affairs of the Department on an economical basis.

The support given me by my assistant, William Mohr, and the employes of the Department has been very gratifying, all having shown a desire to co-operate with me in all matters for the advancement of the service.

Respectfully submitted,

ROBERT J. McCUEN,

Superintendent of Lamps and Lighting.

LIST OF TABLES.

LIST OF TABLES.

Annexed to the report of the Superintendent of Lamps and Lighting for the year ending December 31, 1900.

Table A—Exhibits the number and size of gas meters inspected and sealed, also those rejected as being incorrect or otherwise out of order.

Table B—Shows the amount received by the Department and paid to the City Register on warrants from the Comptroller.

Table C—Exhibits the amount of appropriation and amount expended, with balance unexpended, for the electric light account.

Table D—Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gas account, which includes the maintenance of plant.

Table E—Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gasoline account, which includes the maintenance of plant.

Table F—Exhibits the amount of appropriation and amount expended, with balance unexpended, for the district superintendents' and lamplighters' salaries.

Table G—Exhibits the amount of appropriation and amount expended for office salaries.

Table H—Exhibits the amount of appropriations and amount expended, with balance unexpended, for the incidental account.

Table I—Shows the balance sheet of the ledger accounts of the appropriation, receipts and expenditures for the year ending December 31, 1900.

Table J—Shows the amount of appropriation required for the year ending December 31, 1901.

TABLE A.

Exhibits the Number and Size of Gas Meters Inspected and Sealed for the Consolidated Gas Company, including those rejected as being incorrect or otherwise out of order.

													Total number Inspected.	Inspection charges.	Total amount.
Size of Meters	2	3	5	10	20	30	45	60	80	100	150	200			
No. of meters tested	31	258	14,915	519	197	60	40	23	3	29	2	2	16,079	.25 each	$4,019 75
Size and number of gas meters inspected for private consumers proving incorrect, for which the Consolidated Gas Co. was charged the sum of $1.00 each, as required by law.															
Size of meters	3	5	10	20	45	60	100								
No. of meters tested	12	203	42	19	3	2	3						284	$1 00 each	284 00
Size and number of gas meters inspected for private consumers, proving correct, for which the consumer was charged the sum of $1.00 each, as required by law.															
Size of meters	3	5	10	20	30	45	60	100	150						
No. of meters tested	21	309	49	26	8	8	5	2	1				429	1 00 each	429 00
Total													16,792		$4,732 75

Note.—In addition to the above, there were 30 lamp, market and engine-house meters taken out, 12 of which were incorrect or otherwise out of order, for which no charge is made.

TABLE B

Shows the amount received by the Department and paid to the City Register on warrants from the Comptroller for the year ending December 31, 1900.

Inspection of Gas meters	$4,732 75
Recovered damages	50 05
Old material sold	56 76
Total	$4,839 56

TABLE C

Exhibits the amount of appropriation and amount expended, with balance unexpended for the Electric Light account.

Appropriation for electric lights	$180,760 75
Amount expended	164,335 63
Balance	$ 16,425 12

TABLE D

Exhibits the amount of appropriation and amount expended, with balance unexpended for the Gas account, which includes the maintenance of plant.

Appropriation for Gas, etc.	$146,295 53
Amount expended	140,203 30
Balance	$ 6,092 23

TABLE E

Exhibits the amount of appropriation and amount expended, with balance unexpended for the Gasoline account, which includes the maintenance of plant.

Appropriation for gasoline, etc.	$18,405 00
Amount expended	17,148 25
Balance	$1,256 75

TABLE F

Exhibits the amount of appropriation and amount expended, with balance unexpended of the district superintendents and lamplighters' salaries.

Appropriations for district superintendents and lamplighters' salaries	$67,834 00
Amount expended	64,575 14
Balance	$3,258 86

TABLE G

Exhibits the amount of appropriation for office salaries and amount expended.

Appropriation for office salaries	$3,000 00
Amount expended	3,000 00

TABLE H

Exhibits the amount of appropriation and amount expended, with balance unexpended for the incidental account.

Appropriation for incidentals	$500 00
Amount expended	327 41
Balance	$172 59

TABLE I

Balance Sheet of the Ledger Accounts of Appropriations, Receipts and Expenditures for the Year Ending December 31, 1900.

Folio.	Ledger Accounts.	Debit.	Credit.	Itemized Appropriations.	Amounts Expended.
1	Appropriations		$416,795 28		
12	Cash (Comptroller)	$389,589 73			
30	Office salaries			$3,000 00	$3,000 00
50	Lamplighters' salaries	3,258 86		67,834 00	64,575 14
70	Gas	6,092 23		146,295 53	140,203 30
90	Electric light	16,425 12		180,760 75	164,335 63
110	Gasoline	1,256 75		18,405 00	17,148 25
130	Incidentals	172 59		500 00	327 41
220	Unexpended bal.				27,205 55
		$416,795 28	$416,795 28	$416,795 28	$416,795 28

DEPARTMENT RECEIPTS.

Folio.	Ledger Accounts.	Debit.	Credit.
150	Department receipts	$4,839 56	
170	Inspection of gas meters		$4,732 75
190	Recovered damages		50 05
210	Old material sold		56 76
		$4,839 56	$4,839 56

Total appropriation for year 1900 ..... $416,795 28
Total expenditures for year 1900 ..... 389,589 73

Balance unexpended $27,205 55

TABLE J

Shows the amount required for the year ending December 31, 1901:

The appropriation for electric lights will cover the cost of electric lights for the streets, squares, markets, bridges, and in the clock at No. 6 Engine House, the inspection of the lamps, as well as for apparatus and repairs to same	$150,130 00
The appropriation for gas and maintenance will cover the cost of gas for street lamps, squares, markets, bridges, Washington Monument, erecting and removing lamps, straightening posts, renewal of service, new lanterns, lamp posts, street signs, rental of burners and fixtures, and all necessary material and labor for repairing the lamps and keeping them in repair, and for additions and alterations to gas pipes and fixtures in public buildings	149,611 75
The appropriation for gasoline will cover the cost of gasoline and filling the fluid burning lamps, new posts, lanterns, burners, valves, lamp wick, glass and all necessary material and labor for repairing and keeping the gasoline lamps in good condition	22,387 25
The appropriation for salaries will cover the expense of the office, lamplighters and inspectors	25,406 00
The appropriation for workshop will cover the expense necessary for the repair of plant until March 1st, 1901	650 00
The appropriation for incidentals will cover the expense for advertising, rental of telephones, directory, postage, etc	500 00
Total	$348,685 00

NOTE.—The above items include the appropriations for the installing and maintenance of 300 electric, gas and gasoline lamps, in addition to the number in service for the year 1900.

ANNUAL REPORT

—OF THE—

SUPERINTENDENT PUBLIC BUILDINGS,

—TO THE—

Mayor and City Council of Baltimore

—FOR THE—

Fiscal Year Ending December 31, 1900

BALTIMORE
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS

1901

REPORT.

OFFICE OF
SUPERINTENDENT OF PUBLIC BUILDINGS,
CITY HALL.

BALTIMORE, January 1st, 1901.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN :

In pursuance of the requirements of law that the several heads of departments of the city government shall make annual reports of the operations of their respective branches, I herewith submit my first annual report of the Department of Superintendent of Public Buildings.

Upon assuming charge of the office, on March 1st, 1900, two months after the beginning of the fiscal year, I was somewhat embarrassed to find that up to that date, sixty days after the beginning of the year, the appropriation for the Department had already been drawn upon for supplies for five months, leaving me the remaining appropriation for seven months to purchase necessary supplies and pay expenses for ten months. Notwithstanding this fact, I am glad to be able to report that the work of the Department has been thorough and that (barring the effect of time) the condition of the City Hall is as good in every respect, and far better in many, than it has been for years, while that of our new Courthouse, occupied a year ago, is complete in every respect.

CITY HALL.

While our City Hall is a building of substantial proportions and rare beauty of architecture, my experience as Superintendent of Public Buildings has convinced me that its capacity is insufficient to meet the requirements of Baltimore at the present day.

I would therefore recommend that an annex be added to the building, in order to provide suitable offices for the various departments of the city government under the roofs of its own buildings. Such a building could be profitably used by the Health Department, Superintendent of Lamps, and other branches of the city government, for which offices are now rented. I would suggest as an appropriate location for such a building, the Northeast corner of Lexington and Holliday streets, where the city is already the owner of property, which, with a small addition thereto, would make a most desirable site.

While the cost of such an improvement would necessarily be great, it is one which will be forced upon us ere long by the rapid development of our progressive city. Looking at it from this standpoint, it would appear to be economy to proceed at once to provide suitable quarters for each branch of the city government, thereby saving a heavy outlay for rent.

I have stated that the City Hall is a building of rare architectural beauty, and so it is; but much of this beauty is detracted by the blackened and defaced condition of the walls. I would therefore recommend to your Honor and the members of the City Council that an appropriation be made sufficient for the cleansing of the outer walls and the washing and painting of the inner walls and wood work. Nothing could be done to add more to the appearance and comfort of the entire building.

I would also suggest that upon the approach of spring, when the fires are drawn, the heating apparatus in the building be thoroughly overhauled. At present there is no heat supplied to the third story of the building. This should be remedied, and I would suggest that heating coil be placed in the Fire-alarm and Telegraph rooms, where at present the occupants suffer much from cold. As another improvement, I would suggest that the Armory of the City Hall could be

put to greater use by adding a floor and cutting windows, thus affording more room and convenience to the departments of the Water and City Engineers.

I would respectfully call your attention to the fact that the work of putting the new electric clock and striking apparatus in the dome of the City Hall is now in progress. This will be completed in a few weeks, when, I feel justified in predicting, "Lord Baltimore" will regain the reputation, long since lost, of being a modern timepiece. In connection with the tower clock, twenty-nine secondary electric clocks will be placed in the various department rooms in the building. These clocks are of the latest approved model, and their introduction in the Hall will be a long step in the line of progress.

Another marked improvement, and one in the line of economy, was the introduction in the City Hall during the year of electric lights generated by our own dynamos in the Courthouse building. This has resulted in a substantial saving in the city's gas bills.

It has been my pleasure to give special attention to the cleansing and improvement of the Council Chambers. The improved condition of the composite columns and valuable portraits in these chambers has caused much favorable comment. The electric chandeliers, recently placed in both of the chambers, has proven one of the greatest improvements of recent years.

In addition to these I have had electric lights placed in the offices of the Inspector of Buildings, City Engineer, Harbor Board, City Register, City Comptroller, Board of Charities, on the stairways, over the Spanish gun in the rotunda of the Hall, and around the clock in the dome, thereby greatly improving the lighting facilities of the various departments, while effecting a saving to the city in the cost for gas. I would suggest that the lights in the dome, placed there temporarily for illuminating the faces of the tower clock in celebration of the beginning of the twentieth century, be made

permanent. The effect of lighting up the clock has been favorably commented upon by press and public as a most desirable improvement.

The Standard Underground Cable Company, which recently contracted with the city to lay an underground cable connecting the City Hall with the new Courthouse, for the purpose of supplying electric power to run the elevator in the Hall, have begun the work. This, when completed, will bring about another decided improvement by the introduction of the most modern and rapid appliances to the elevator, which has up to the present time been run by the slow process of water power. By this change the speed of the elevator will not only be increased, but the capacity more than doubled. Where now four or five passengers tax its full power, when electricity is substituted for water power twelve or fifteen can be carried with much greater ease and rapidity.

NEW COURTHOUSE.

Upon assuming charge of my office on March 1st, 1900, the new Courthouse building had been occupied just two months. I found the various departments of that commodious structure incomplete in furniture and equipments. After interviewing the several Judges, Clerks of Courts and other heads of departments, I proceeded, as far as the means at my command permitted, to follow their suggestions, but there are still many requirements in the way of furniture, carpets, etc., to render the equipment complete, and which I have not been able to supply owing to the limited appropriations for this Department.

During my incumbency the following rooms in the new Courthouse have been furnished and occupied: The Park Board, three rooms; Police Examiners, two rooms; Police Surgeons, one room; City Solicitor, five rooms; and in addition to these the Law Library, an immense room running

from Fayette to Lexington street, has been prepared for occupancy.

In order to effect a saving of fifteen hundred ($1,500) dollars per annum rental now paid for rooms used by the Board of Liquor License Commissioners in the Equitable building, I am now making arrangements to transfer this Board to the new Courthouse building. To provide suitable quarters for them the Park Board will be transferred from the three rooms they now occupy on the third floor of the Courthouse building to the second floor in two rooms, one of which has heretofore been occupied by Circuit Court No. 2, and the other formed by the conversion of two unnecessary toilet rooms into one large room. By such arrangement both Boards will be conveniently located in the Courthouse building.

Another change in contemplation is the removal of the Board of Election Supervisors from the rooms now occupied by them in the City Hall to the large room in the new Courthouse building recently vacated by Messrs. Gill & Thomas, the contractors, which will be partitioned into apartments suitable for the uses of the Board. These changes are made with a view to the convenience of the several departments concerned, and a saving to the city as well.

I would call attention to the fact that all of this additional expense of equipment and attention has been added by this Department without any additional appropriation to cover same.

I would most respectfully call the attention of your Honor and the members of the City Council to the urgent need for an increase in the force of charwomen in the City Hall and Courthouse buildings. The many changes in the various departments have imposed increased duties upon these women, and I believe it would prove to the best interests of the city that the Superintendent of Public Buildings be empowered to increase this force by the appointment of five additional women.

In connection with the duties of these women there is work which I am sure you will recognize at once should be performed by men. I refer to the work of cleansing and general attention to the several water-closets. In large public buildings, used almost exclusively by men, and the closets in constant use, both charwomen and visitors to the closets are often placed in embarrassing positions. With the present force at my disposal, however, this cannot be avoided. I would therefore ask that authority be given me to appoint three additional men, to whom these duties shall be assigned.

I have endeavored to conduct the Department of Superintendent of Public Buildings on strict business principles, insisting at all times that in its purchases the city shall be considered a wholesale buyer and have the benefit of all discounts.

Trusting that my efforts to so conduct the office, and that the recommendations made in this report will meet with your approbation, I have the honor to be, most respectfully,

Your obedient servant,

FREDERICK T. HELLMAN,
Supt. of Public Buildings.

ANNUAL REPORT

—— OF THE ——

WATER DEPARTMENT

——TO THE——

MAYOR AND CITY COUNCIL OF BALTIMORE,

——FOR THE——

Fiscal Year Ending December 31, 1900

BALTIMORE:
WM. J. C. DULANY COMPANY, PUBLIC PRINTERS.

1901.

THE WATER BOARD OF BALTIMORE CITY.

DECEMBER 31, 1900.

ALFRED M. QUICK,
President of Board and Water Engineer.

JAMES T. MILLER,

RICHARD H. PLEASANTS, Jr.,

ALBERT C. TOLSON,

ALBERT WEIL.

REPORT.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN—In compliance with the requirements of the city regulations the Water Board herewith respectfully presents its report for the year 1900.

We assumed office on March 1st., and as we were the first Water Board to come entirely under the regulations of the new City Charter, and as the Charter made a change in the relations between the Water Registrar (now the Collector of Water Rents and Licenses), the Water Board and the Water Engineer, as well as in the status of these official positions in the city government, we therefore present our report in a different form from those of previous Water Boards. As the Water Registrar is, under the New Charter, the head of a division of the Department of Finance, instead of as formerly an employee of the Water Board, his report is not embodied in ours, and the reports that have heretofore been made by that official as to the total receipts from all sources connected with the Water Department, as to the balance and surplus, etc., are now made by the Water Board directly. Also as the Water Engineer is now the president of the Board, instead of as formerly an employee, his report is not given separately as heretofore, but is embodied in that of the Board. The supplemental reports and statements of the heads of divisions in the Water Department are given separately as heretofore has been the custom.

Changes Made by the New Charter.

This Department for the last four years has been working on appropriations from two different sources, one from a special loan of $2,000,000 and the other from the regular receipts of the Department. The loan was made for the special purpose of extending and improving the water supply according to a definite plan presented by a consulting engineer employed for that purpose. While the plan for doing this work had a definite limit, the amount of work that has been done on this plan each year has been limited only by the policy or capacity of the management of the Department. It has been almost entirely a voluntary matter with each Water Board as to how much they should spend from the loan each year.

Sources of appropriations.

Therefore in comparing our work with that of previous years the expenditures from the loan should be left out of account entirely. Also in making a comparison with the expenditures for 1898 and 1899 allowance should be made for the fact that a great deal of labor and material for the regular work of the Department was charged in those years to the loan, which it was never intended should be so charged, and which in 1900 we charged to the regular appropriation from the Department receipts. The plans for which the loan was made provided for no water mains less than ten inches in diameter, yet in 1898 the entire cost of the labor and material for over 69,000 feet of pipe less than ten inches in diameter was charged to the loan, and in 1899 the cost of labor and material for over 53,000 feet of pipe less than ten inches in diameter was also charged. Leaving out of account entirely the loan and interest charges, and including the expenses of the Collector of Water Rents' office (which until March 1, 1900, was a part of the Water Department), the surplus of receipts over expenses was over $30,000 greater in 1900, under our manage-

Surplus comparison with 1898 and 1899.

ment, than in either 1898 or 1899, and if the items above mentioned had been properly charged in those years the difference would have been very much more in our favor. The total receipts in 1900 were $947,-172.66, the expenses (including those of the office of the Collector of Water Rents) were $400,291.68, leaving net receipts of $546,880.98. Out of this amount $380,000 was paid for interest on bonds, leaving a surplus of $166,880.98. This surplus, in addition to $62,531.75 surplus carried over from 1899, or $229,-412.73 in all, we have turned over to the Finance Commissioners, as required by the New Charter.

Unexpended appropriation

The total appropriation for this Department for 1900, exclusive of that from the $2,000,000 loan, as provided in the 1900 Ordinance of Estimates, was $681,545.70. Out of this amount we expended in 1900 $376,589.70, leaving an unexpended balance of $304,955.91. The reason why this figure is so much larger than the actual surplus of the Department is because the expenditures of this Department are paid only out of its receipts, and the Ordinance of Estimates for 1900 appropriated for the expenses of this Department and for that of the Collector of Water Rents and Licenses $139,493.04 more than the receipts of the Department amounted to for 1900, and nearly $190,000 more than the receipts had ever been before.

On taking up the work of this Department we first made an investigation as to the state of completion of the work of extending and improving the water supply under the special loan for that purpose, as to the balance unexpended from that loan, and as to the amount unexpended from the regular appropriation for 1900. With regard to the first matter we found what seems to us an extraordinary condition of affairs. To make the matter clear we will state that the loan of $2,000,-000 for improving the water supply was authorized

before any definite plans for the work had been prepared, and therefore the scheme recommended by the consulting engineer was intended to include the most necessary and imperative improvements which could be made for that amount of money. This scheme provided, in brief, for an expenditure of about $235,000 for a new pumping station and machinery, $35,000 for a new pump at the Eastern Pumping Station, $450,000 for a new reservoir, $193,000 for a water supply system for the extreme northern part of the city, which at that time had no water supply, $1,059,700 for new mains ten inches and above in diameter, $12,800 for new screens at four of the gate houses, and the balance of $14,300 for miscellaneous items. We found that the new pumping station had been practically completed and all the machinery installed, the new pump at the Eastern Station had been erected, one of the new sets of screens had been put in, part of the new water supply system for the extreme northern part of the city had been installed, and practically all of the new mains called for by the plans for improving the service had been laid. Notwithstanding the fact that over $200,000 more had been expended on the Mt. Royal Pumping Station than the consulting engineer allowed in his estimate, so much had been saved on the cost of machinery and on the pipe laying in 1897 that all of the above work was done for about $1,367,000, or about $31,000 less than the estimated cost. We found, however, that the following work provided for in the plans for improving the water supply, and the cost of which the loan was to cover, had not been touched, viz: A new 75,000,000 gallon reservoir, new screens at three gate houses, 6,500 feet of the force main in North avenue, running from Pennsylvania avenue out to Walbrook, 4,000 feet of 30-inch pipe on the west side of the city, 4,000 feet of 16-inch pipe on

Unexpended balance of loan on Mch. 1st and progress on extension work

the east side, and a new water supply system for the Eastern District of the upper service area. This work was estimated to cost about $587,600. This amount added to the $31,000 saved on what had been done, would give $618,600 as the balance which should have been left unexpended from the $2,000,000 loan on March 1, 1900. But we found that about $51,000 had been expended for books, stationery, drawing materials, tools, machinery, and other miscellaneous items, which were properly chargeable to the loan, but which were not included in the consulting engineer's estimate. Deducting this amount we have about $567,600 which should have been the unexpended balance on March 1, 1900. The actual unexpended balance on that date we found to be $239,113.46, leaving over $328,000 to be accounted for. From our examinations of the records, pay-rolls and plans of work done, we should judge that part of this amount had been spent on superfluous labor and salaried positions, useless material and unnecessary pipe laying, and that the balance had been spent for routine work and regular supplies that should have been paid for out of the receipts of the Department. The charging of such items to the loan, and thus cutting down the amount to be taken from the Department receipts to pay the regular operating expenses, partly explains how large surpluses have been shown for the last two or three years, in spite of the fact that previous to 1896 the Department very seldom had a surplus.

Not only did we find that only $239,113.46 was left unexpended out of the loan on March 1, 1900, but also that there was still due on the machinery at Mt. Royal Pumping Station $21,188.49, besides several thousand dollars on pipe, lead and other contracts, and that over $10,000 would have to be spent in com-

Unexpended balance of loan Jan. 1st 1901.

pleting unfinished work in and around Mt. Royal Pumping Station, all of which items would have to be charged to the loan. The result has been that on December 31, 1900, the balance unexpended from the loan was further reduced to $196,313.07.

We also found that, notwithstanding the plans for improving our water supply distinctly provided for increasing the pressures over a large portion of the city, and that a very considerable portion of the large pipe had been put in to enable that to be done, pressures had been increased in only two small sections of the city in 1897, and practically nowhere else since that time, thus withholding one of the principal benefits which the loan was made to obtain. As soon as arrangements could be made we increased the pressures in large additional sections of the city in the northern and western districts, and had it not been for the fact that the exceptionally dry season and low rainfall made it imperative for us to hold down the consumption of water, we would have given better pressure to all parts of the city where the plans provided for an increase before the end of the year. This work will be completed, however, early in the year 1901.

Pressures increased.

With regard to the untouched work included in the plan for improving our water supply, we decided that the insertion of the other screens, the laying of the 30-inch and 16-inch pipe mentioned, and the extension of the upper service supply to include the extreme northern district of the city, east of Jones' Falls, was not imperative at present. With regard to the addition of another reservoir to the present storage capacity in the high service system, we believed that the large increase in the consumption in this system, which would be brought about in increasing the pressure throughout the city, would make such addi-

Untouched extension work

tional reservoir capacity very essential to safeguard the supply, but as the unexpended balance from the loan was not more than half enough for that purpose alone we felt it inadvisable to take action in the matter.

We found that the appropriation for the regular xpenses of the Department for the year, $681,545.70, was very much larger than the work to be done could possibly demand, as the expenditures for the first two months of the year had been only about $53,000. Excessive appropriation.

Having such a large appropriation available we believed it advisable to take the opportunity to put the property of the Department in the first-class condition in which it should be kept. This work is not yet quite completed, but what has been done is given in detail in the reports of the heads of divisions which follow. Buildings have been repaired and renovated; roads, paths, drains, etc., have been relayed and repaired; pumps, boilers and other machinery have been thoroughly overhauled; at Mt. Royal Pumping Station the lot has been graded and sodded, the walks, roads and areas have been paved, fences and coping built, track scale and pipe vault completed, drains, inlets and catch basins built, etc.; at the Western Pumping Station the area around the station has been paved, and a large hot well built, and at the Eastern Pumping Station the engine-room walls and roof trusses have been painted. Repairs, renovations, and additions.

We found that the machinery at Mt. Royal Pumping Station had not been put into regular service, although the station was dedicated in November, 1899, and was supposed to have been ready for operation at that time. We at once had the boilers and engines given an official test, and as the result of the tests met the requirements of the contract, the plant was put in regular service immediately. Mount Royal Pumping Station.

For some years back the Department has found it impossible to keep Druid Lake anywhere near full when Hampden Reservoir (which is at the same elevation) was full. As Druid Lake is supplied from Hampden Reservoir through four 30-inch pipes, which cross underneath the bed of Jones' Falls, it was thought very probable that these pipes were choked with sediment. As there was no arrangement for blowing them out at the low point, the Department some years ago had plans made for putting blow-offs on them. These plans had never been carried out. We took up this work during the summer, cut into the pipes, cleaned them out and built permanent blow-off vaults, so that they can be cleaned out periodically hereafter. The result has been that Druid Lake has been filled and the water in it kept constantly at a higher level than for years.

Blow off vaults

Dredging at Lake Roland, which is being carried on under contract by the Baltimore Dredging Company, was resumed on March 1st and carried on continuously to the end of the year, and about 230,000 cubic yards of material was removed at a total cost of $43,855.90. The total amount of dredging, which this contract calls for, is 416,000 cubic yards. The total amount dredged up to December 31st, 1900, is 390,957 cubic yards, leaving 25,043 cubic yards still to be taken out, or about one month's work. This will have to be done in the spring, as the plant is now tied up for the winter. To clean the lake down to its original depth, considerable more material should be removed, but this we will probably do with our own dredge, unless much more advantageous terms can be made by contract. The present contract is at the rate of 19 74-1000 cents per cubic yard, while the cost of dredging at Loch Raven, with our own plant and force, has been less than five cents per cubic yard. The dredging

Dredging at Lake Roland

company is required by its contract to trim up the slopes at Lake Roland after dredging has been completed, and this they will do this coming spring.

The necessity of this dredging work can be fully realized when we state that there was a period of about two weeks this summer when we were taking practically every drop of water that flowed in the Jones' Falls and Gunpowder River, and if at that time we had had an additional period of two weeks without rain, our storage in Lake Roland and Loch Raven being so cut off by sediment, would have given out; and this in the face of the fact that 13,000,000,000 gallons of clear water had been wasted over the two dams during the seven or eight months of the year just previous to that period. Necessity for dredging.

Anticipating some crisis of this sort, we began dredging operations with our plant at Loch Raven as soon as it could be put in shape and the necessary force of men to run it could be got together. Dredging was started there on June 18th and continued until December 12th, when we had to shut down on account of ice in the lake. The total amount of solid material dredged was 130,065 cubic yards, and the total cost of the work, including all supplies and repairs, was $5,785.63, or about 4 45-100 cents per cubic yard dredged. This is a remarkably low cost, taking into consideration the fact that the 130,065 cubic yards of solid material removed represents only about 17 6-10 per cent. of the total amount of material pumped, the other 82 4-10 per cent. having been water. We pushed this dredging plant to its utmost capacity, and the best it is capable of is not more than 1,000 cubic yards a day. As there are about 2,500,000 cubic yards of sediment in the lake, and about 125,000 cubic yards or so makes in every year, and as dredging cannot be carried on more than 250 days in a year on an aver- Dredging Loch Raven.

age, it is evident that with the present plant it would take over twenty years to dredge the lake. We therefore have concluded that it is imperative that either a larger plant must be obtained, or a contract must be made with some dredging company by which the lake can be cleared in at least two years. We believe that such a plant should be kept on the lake permanently, and dredging done every year or two. As in order to do this, the city would have to own the plant, and as we have shown that the Department can do the work with its own force cheaper than it can be done by contract, we believe that the city should buy a plant as soon as possible, which will dredge and dispose of the sediment in the lake in two years. We have, therefore, obtained in our appropriation for 1901 the sum of $100,000 with which to buy a plant and start the work. Manufacturers of dredging and excavating machinery have already been asked to submit plans and estimates, and work will be started as soon as possible. After we have obtained a new plant for Loch Raven we will transfer the present suction dredge there to Lake Roland, where it will be very useful in keeping that lake clear of sediment.

Saving by abolishing useless divisions

We found the Department working under the general plan of organization inaugurated in 1897, with some modifications. This organization is probably the best that could be devised for carrying on the work of the Department in an economical, efficient and business-like manner. The modifications which had been made in 1898 and 1899 were the addition of useless bureaus or subdivisions. One of these, the Superintending and Consulting Engineer's Division, was abolished the first part of the year. We found another division with a superintendent and about eighteen or twenty men, a separate system of accounts and records having a great deal of duplication, and

with a pay-roll of about $16,000 a year. All of the legitimate work done by this division could have been done by a third of the force, and the division was therefore abolished, and its work was distributed among the other divisions, saving thereby over $10,000 a year in salaries alone.

We found a Bureau of Water Patrol, with a chief, a lieutenant and four patrolmen, with a pay-roll of about $5,000 a year. The purpose of this force was to make inspections and order abatements of nuisances and sources of pollution on the water shed. We found that two men could do all the work necessary, and consequently the positions of chief and lieutenant were abolished, the force was reduced to two men, and they were put under the direction of the Superintendent of the County Division, who has charge of our reservoirs and county property. We found the records, which showed hundreds of inspections and many abatements were quite unreliable, and therefore had our inspectors start anew on a systematic patrol of the water sheds. This work was started on May 21st, and to the end of the year about 1,600 inspections had been made, out of which 200 were reported as sources of pollution, Twenty of these have been abated upon notice, and we are having surveys, tests and analyses made in all the other cases with the purpose of taking up the matter in a diplomatic way with the property owners, offering suggestions and plans for abating pollution, and we hope by this means to accomplish the abatement of the balance of the pollutions without suit. In any case where we fail to secure the abatement by this means it is our intention to enter suit.

Reduced Water Patrol force.

Nuisance, abatements and future plans.

We found in addition to the superfluous employees above mentioned a great many others on the pay-roll on March 1st. At that time there were 446 men on

the monthly and weekly pay-roll. By April 1st we had reduced the force to 332 men without in any way impairing the service, and had cut down the monthly payments for salaries and labor from about $19,000 to about $13,000. The effect of thus putting the force on an economical and business like basis is shown in the report of the Superintendent of Construction appended. In January and February of this year the Department under our predecessors was losing over $800 a month on the work of putting in house services, for which a uniform charge of $6 and $12 is made. Using exactly the same material at the same prices in March we had cut down this loss to about $200, and our service work for every month thereafter (except during the exceptionally hot month of August) showed an average profit of about $170 a month. The average cost of such connections is now about $9, which is a little less than the average charge per service. Previous to 1898 the average cost of these connections was only $6, and the Department made large profits on the work of inserting them, because much cheaper material was used. For the same reason repairs were frequently necessary, for which the property-owner was always billed. For that reason we believe it is better policy and more just to the consumers to use the present first class material and modern fittings so long as the Department does not lose money on the work.

Reduction of force.

Saving on service work

Another result of putting the force on a business-like basis has been to decrease the cost of pipe-laying. Notwithstanding the fact that in 1900 under our administration the price of pipe, fittings and lead was very much higher than in 1899, we laid all sizes of pipe except 6-inch at from eight to twenty cents per foot less than the work was done in 1899, and making allowance for the extra cost of material, we laid 6-inch

Cheaper pipe laying.

pipe for over fifteen cents per foot less than it cost in 1899.

We found that pipe, fittings, valves and stock of all kinds was scattered over the Old City Hall, some of which was under lock and key, but a good deal was in rooms and in the yard accessible to all workmen in the Department. Stock at other points was also not properly segregated, safeguarded, classified or arranged. Pipe and castings were stored in an open lot at Lake Clifton and at various other reservoirs, notwithstanding the fact that our regular storage yard at Gay and Wolfe streets was not half full. All this latter material we had hauled to the Gay-street yard, and the storage yard at Lake Clifton, on park property, we abandoned. Stock at the Old City Hall and at the Gay-street yard, as far as possible, we had at once put under lock and key and in charge of the storekeepers, and all of it was classified and properly arranged in bins.

Improvements in stock rooms and storage yards

A good deal of stock has been accumulating for years with the price on the same class of goods constantly changing, yet none of the material was sorted according to its value or marked in any way as to price, so that it was an absolute impossibility to make a correct inventory of the value of the stock on hand at any one time or to make proper charges for stock used or delivered. As soon as possible after taking charge of the Department we had competent employees to go carefully over all the stock, separating the small materials into bins according to its value, and plainly marking the value on all this stock, as well as on all pipe, castings, coal, lumber, stone, cement, etc. The fact that this had never been done before made the inventory taken the first of the year 1900 valueless, and trial balances struck from the stock books indicated also that that inventory was inaccurate. We

Inventory of stock.

therefore had another inventory of all stock made on July 1st.

We found the system of accounts and records inaugurated in 1897 was in use with some modifications, and was such as would give very fair results as to the costs of the different kinds of work and such as would be a fair check on the disbursement of materials with careful management. In some respects, however, the accounts were very carelessly kept, records were lost and bills were wrongly charged through careless auditing. No proper records had ever been kept in the Department of the value of real estate and water rights, buildings and improvements, rents or insured property. Ground rent had been paid for years on one piece of property occupied entirely by private parties, and for which the Department received no return.

Improvements in records and book-keeping.

Since the stock books and journals were started in 1897 no balance has ever been struck on the books for comparison with the inventory. As soon as possible after we assumed office a competent chief clerk was secured and preparations were at once made to correct these evils. Proper accounts and books were opened, all bills were carefully audited and properly charged, numbers of long-standing bills were either collected or wiped off the books, etc. While much of this work could not be done soon enough to enable us to show very accurate results at the end of this year, everything is in shape for such results in 1901.

During the latter part of the year we were advised that a large piece of property immediately adjoining our Lake Montebello property on the south, and extending from the Harford to the Hillen road, was for sale. As this land is so situated as to drain directly to Lake Montebello, we believed that it would be very much to the city's advantage to own it so as to protect the lake from contamination on that side. The property

Additional land at Lake Montebello.

covers about 13¾ acres, and is practically an open lot, having only one building on it. It was offered to us at the very reasonable figure of $850 an acre, and an ordinance was introduced into the Council and passed to purchase it at that price. As soon as the final formalities have been complied with, which will be early in 1901, we will take actual possession of the land.

During the year our attention was called to the injustice of the Department charging the same rate for a house connection on a twenty or twenty-five foot street as for one on a fifty or sixty-foot street. There were two rates charged for putting in such connections, one of $6 for a connection in a street or alley fifteen feet or less in width, and one of $12 for a connection in a street over fifteen feet wide. As there are a number of streets in the city between fifteen and twenty-five feet wide, it seemed to us no more than just that a special rate should be made for that class of streets. We therefore established for such cases a special rate of $8, leaving the $12 rate to apply to connections in streets over twenty-five feet wide.

New charge for service work.

This Department buys most of its supplies under contracts for the year, made at the end of the year previous. The materials are arranged in schedules according to class and quantities, and specifications are given. Most of the contracts for 1900 were made before we assumed office, and we found that in many cases the quantities specified for were entirely unreasonable, and that some of the specifications were meaningless and unscientific and would not secure the best results. Therefore, in preparing for the few contracts which we had to make shortly after we took charge of the Department, and for the contracts for 1901, the schedules and specifications were very carefully revised, with the result that much lower prices

Revised contracts and specifications

have been obtained for 1901, in many cases, than we had to pay for the same materials in 1900.

There have been for several years past many complaints, particularly in summer time, as to muddy or stagnant water in the distribution pipes. The muddy water is usually caused by a reversal of current in the pipes stirring up the sediment. This sediment is the result of years of accumulation, resulting from the practice of sending muddy water from the impounding reservoirs to the city in emergencies. We very much doubt that any emergency has ever yet arisen which, with proper and careful management, would necessitate sending muddy water to the city. No such water has been sent to the city during our management in 1900, notwithstanding the fact that the year has been an exceptionally dry one, the rainfall being over six inches below the normal, and the consumption has at the same time been far heavier than ever before. As soon as possible after assuming office we started a systematic flushing of the water mains by running hydrants and blow-offs. This was kept up continuously during the year, with the result that the complaints of bad water were fewer than ever before. This practice will be kept up until the pipes are as free from sediment as they can be made. The stagnant water in the pipes is caused by dead ends. There are hundreds of these in the distribution system, the majority of which are the result of the practice, almost invariable up to three years ago, of laying pipes in all alleys, whether public or private. This matter can be remedied in most cases by connecting up the dead ends so as to put the pipes in circulation, and considerable of these ends have been connected up in the last year or two. We propose to keep on with the work until this has been done in all cases where possible.

Remedies for bad water.

While at present the property and service of the Department are in first-class condition, yet several improvements should be made. Some of these we contemplate inaugurating in 1901, and our appropriation for that year includes an allowance for such items. All pipe and heavy castings bought by the Department now have to be shipped to Clifton switch, on the Baltimore and Ohio Railroad or to some down-town station, and from there hauled at considerable expense to us out to the storage yard at Gay and Wolfe streets, notwithstanding the fact that the Philadelphia, Wilmington and Baltimore Railroad runs right by the yard. We have about completed negotiations with the Pennsylvania Railroad Company for an extra side-track there for the purpose of loading and unloading materials directly at the yard, and will erect a crane for handling the material. By this means considerable outlay now made for hauling will be saved.

Proposed new sidetrack at Gay-st. yard.

The arrangement of the steam piping at the Eastern Pumping Station is such that it would be absolutely impossible to do the work which will have to be done there if the plans for improving the supply are adhered to. Therefore we have prepared plans to change this piping so that either pump can be run by any boiler or boilers on either the high or the middle service. The work will be done by contract at once. When this station was built no provision whatever was made for ventilation in the roof of either the engine or boiler rooms, and as a consequence the heat and gases have so injured the roof as to weaken it and cause it to leak. Ventilators will be put on this building and the roof will be repaired at once. We found the old ten-million gallon pump at this station had been in constant service for over ten years, with very little repairs, and consequently, it was

Proposed improvements at Eastern Pumping Station.

in very bad shape. It is now being overhauled and thoroughly repaired. The present method of burning coal at this station is wasteful, and also causes a smoke nuisance. Some form of smokeless furnace which will cut down the coal consumption will be put on the boilers as soon as possible.

New stable, wagons and horses.

The Department has to have a number of express wagons for hauling light materials used by the street gangs. These wagons have always been hired with their owners by the day, and this arrangement has been found expensive and unsatisfactory. The only other arrangement which could be made is for the Department to have its own horses and wagons. This has not been done, we presume, because the Department did not have enough stable accommodations for this purpose in the centre of the city. We found that we could pay interest on the cost of a stable and the necessary horses and wagons and save over $1,500 a year by dispensing with the hired wagons. Therefore an addition to the stable at the Gay-street yard and a wagon shed in the yard are now being completed. Wagons have been contracted for and horses are being bought for this purpose.

The Department has for some years made practically all of the fire hydrants which it erects. These hydrants have many defects, and they are unsightly and out of date. On account of poor design they have to be pumped out in winter after being used, to keep from freezing, and frequently cause damage to private property. None of them have more than one steamer nozzle, notwithstanding the fact that there are many points throughout the city where two steamers could easily get all the water necessary from the same hydrant, which would be of considerable benefit to the Fire Department. There are also a great many old hydrants around the city, known as

"Shanghais," which are delapidated, and should be removed. Many new hydrants should also be erected. We are now having a new hydrant designed to meet the requirements of local conditions and the objections above referred to. As soon as they can be made hydrants of this new pattern will be erected wherever advisable, and all the old "Shanghais" will be removed. New hydrants.

About two years ago the Department erected a "Trouble Station" on the standpipe lot at West Arlington at considerable expense. This building is of no use to the Department as a trouble station, or for any other purpose at its present location, and should be disposed of. If a building for this purpose had been erected somewhere near the centre of the city, where trouble is apt to occur, it might have been of some use. In fact, the increasing number of emergency calls demanding immediate attention have made it imperative that the Department should have an emergency wagon at the old City Hall or Gay-street yard to enable the men to promptly respond to these calls with tools and other materials, and one will be obtained as soon as possible. Trouble Station.

Other matters which we have had under investigation for some time are, the proper distribution of the cost of the city's water service, the equitable application of the present water rates, and the advisability of changing them.

With regard to the proper distribution of the cost of the water service, the ideal arrangement, and the only one which would bear with equal justice on all, would be to include in the tax rate an allowance to cover the proportionate cost of all water supplied for public purposes, such as street sprinkling, sewer flushing, fire service and service in public buildings, and to adjust the water rates on private property so that they will

net an amount equal to the balance of the annual cost of the water service, that is, only the cost of water supplied for private consumption. This is an entirely feasible plan. The items making up the cost of the water service are the cost of operation (that is, the regular expenses of this Department and that of the Collector of Water Rents and Licenses), the interest on the water bonds, and the necessary annual payments to a sinking fund to retire these bonds at maturity. The total amount of these annual charges can easily be estimated, and arrangements could be made to measure the amount of water supplied for public uses, so as to determine what proportion it is of the total consumption. So far as we know this has never been done. The present water rates were established in 1888, and went into effect January 1, 1889. It is impossible to form an approximate estimate as to what proportion of the water consumption at that time was for public uses, but it probably was not less than 40 per cent. The amount of the tax levied for the cost of the water service in 1889 was $60,952.89. The total amount of operating expenses and interest alone for that year was $701,918.05. So that during the first year under these rates the proportion of the cost of the water service (even excluding any payment to the water loan sinking funds) paid from the tax levy was only about 8 per cent. of the total cost, instead of about 40 per cent. From 1889 to 1895 inclusive two appropriations were made in the tax levy for the Water Department, one a tax of two cents per $100 for the general Department expenses, and the other a tax of one-half cent per $100 for the sinking fund for the $1,000,000 loan of 1926. During no year did the sum of these appropriations exceed $87,000. From 1895 to date there has been an appropriation in the tax levy each year for the sinking funds of each of the four

Distribution of the cost of water service.

water loans outstanding, two cents for the 1916 loan one cent for the 1926 loan and one-half cent each for the 1922 and 1945 loans. The total amount derived from this source varied from $85,783.97 in 1896 to $119,981.22 in 1900, the latter being the largest amount ever collected by general taxation on the city's water service account in any one year. As the total outlay for operation and interest alone was $780,000 in 1900, it follows that the greatest proportion of the cost of the city's water service which has ever been derived by general taxation has been not over 15 per cent., notwithstanding that probably about 40 per cent. of the cost of this service is for water used solely for public purposes. It is obvious then that the large number of taxpayers, who own no buildings paying water rent, have heretofore not paid their proportion of the cost of water service. The Board is not prepared, however, to make any recommendations with regard to any change of policy in this matter, until we have formulated some plan for a general revision of water rates.

In connection with the question of revising the present water rates we submit the following table showing the date of maturity, amount, rate and amount of interest, and present state of sinking funds, for all water loan bond issues outstanding:

Date of maturity.	Amount.	Interest. Rate.	Interest. Amount.	Present Sinking fund.
July 1, 1916	$5,000,000	5%	$250,000	1,178,280.75
Nov. 1, 1922	500,000	4%	20,000	224,420.58
Nov. 1, 1926	1,000,000	4%	40,000	411,725.39
Mar. 1, 1945	2,000,000	3½%	70,000	120,798.27

Revision of present water rates.

Practically the total amount of these sinking funds is now invested so as to net about 3½ per cent. It is doubtful, however, if future sinking fund payments can be invested to net an average of more than 2½ per cent. Therefore compounding the present sinking

funds of each of the loans at 3½ per cent. to the date of maturity of the loan, and assuming a rate of 2½ per cent. interest on future annual sinking fund payments, we find that these payments would have to be as follows to make up the balance of each loan at the time of its maturity: $125,259.20 on the 1916 loan, $664.25 on the 1922 loan, nothing on the 1926 loan and $14,305.41 on the 1945 loan. Thus if future sinking fund payments should be invested so as to get as much as 2½ per cent., the total annual payments required would be about $140,228.86 up to July 1st, 1916, the time of first maturity of any water loan outstanding. The surplus of this Department has been for each of the last six years larger than this amount. Therefore, unless it is desirable to divert part of the surplus of the Department to the sinking fund for other than water loans, either the provision in the tax levy for the water loan sinking funds should be cut out or the water rates should be reduced so as to reduce the surplus.

Whether the present water rates are reduced or not there is no question but that a careful investigation should be made as to the equitable application of these rates, and that changes should be made wherever there is any injustice or discrimination. While all houses in the city are under a front-foot rate and most of the large mercantile and manufacturing establishments are under the fixed meter rates, there are hundreds of properties in the city which are charged special rates.

Adjustment of charges under present rates.

While these special ratings are nominally supposed to be based on a common standard there are actually wide variations in the amounts paid by properties of exactly the same size and class (in some cases several hundred per cent. difference). Also, many classes have special rates amounting to only a fraction of what metered properties of that class pay. Also, there are whole classes of properties (not private houses)

which are not metered and which are now paying very much less by special rate than properties of other classes are paying by meter, as we have demonstrated in the last few months by putting test meters on some of such properties. Also, there are hundreds of meters in service which have been in use for years, evidently with no recalibration and no repairs to speak of, and which register only from thirty to fifty per cent. of the water passing through them. Also, there are scores of State, city and private charitable institutions in the city, some paying full rates by meter, some paying a nominal rate and some paying no water rent at all. Also, rates are charged for certain fixtures which, in many cases, are never collected because of insufficient inspection. Also, no charge is made for certain other fixtures through which very large quantities of water run continuously. We have very carefully investigated all these matters and hope to have a plan formulated some time in the year 1901 for properly adjusting t em so that nobody will be discriminated against, and so that the city will get full return for its water service in every case.

In carrying out this plan we will probably require the installation of many more meters than are now in service, and in preparation for this we have been for some time testing various kinds of meters under conditions of actual service in our meter-testing shop to determine what class of meter is best suited to local requirements, also as a basis for specifications under which all meters will be bought. Meters.

Respectfully submitted,

ALFRED M. QUICK,
President Water Board and Water Engineer.
JAS. T. MILLER,
ALBERT C. TOLSON,
ALBERT WEIL,
RICHARD H. PLEASANTS, JR.,
Members Water Board.

REPORT OF ENGINEERING DIVISION.

BALTIMORE, MD., January 1, 1901.

MR. ALFRED M. QUICK,

Water Engineer, Baltimore, Md.

DEAR SIR—I herewith submit my first annual report of the operations of the Engineering Division for the year ending December 31st, 1900.

During the year this division has been engaged mainly in preparing plans for work done by the Construction and Mechanical Divisions, preparing plans and specifications for and supervising work performed for the department by contractors, and making the usual inspections, test, etc.

On April 1st the Meter Division established by the former Water Board was abolished and the executive work of that division was placed in my hands.

Since that time all the meters in service have been regularly inspected and quarterly readings taken.

Much less time has been consumed in the work of taking the quarterly readings than formerly, and by impressing the inspectors with the importance of strict accuracy in their work, fewer complaints of excessive bills, etc., have been received.

A large number of meters were found to be out of order, therefore a new form of meter-repair order was designed. These orders are in possession of the inspectors, and where repairs are found to be needed the fact is at once made known

to the owners, who in nearly every case are willing to sign an order for the necessary repairs. This system has resulted in a large number of meters being repaired, and should result in an increased revenue to the city.

There are still a great many indicators in use on elevators. These indicators have been a constant source of annoyance in the past. Most of them will register properly when in good order, but are easily deranged and broken. In almost every case where indicators are found out of order a polite request from this office results in the owners having them promptly repaired, and I hope in this way much of the trouble formerly experienced will be relieved.

All new meters have been carefully tested for accuracy of registration when received from the manufacturers, and all meters repaired have been thoroughly tested before being returned to service. Since April 1st this work has been done by one man, with the occasional help of one laborer for handling heavy meters.

The meter testing apparatus is in good condition and has been improved by the insertion of quick-acting valves on the inlets.

The meter service is now in better condition than ever, but much remains to be done to bring it up to the high state of efficiency so much to be desired.

As a means to this end I would suggest that the meter districts be rearranged on more convenient lines, a new set of ledgers and route books be designed, and a new system of numbering meters be adopted.

On March 24th the boilers at Mount Royal Pumping Station were given an official trial under the supervision of this division. The performance of the boilers was up to the contract requirements, but owing to the peculiarities of the conditions and the diversity of interests represented the results are not of sufficient general interest to be published here.

On May 8th and 9th the pumping engines Nos. 1208 and 1209 at Mount Royal Pumping Station were given an official duty trial by representatives of Henry R. Worthington under the supervision of this division. As the results of these trials are of general interest to all water-works engineers, I submit below the tabulated results:

Size of engines	25″–40″-72″ and 34″x48″.	25″–40″–72″ and 34″x48″.
Date of test	May 8, 1900.	May 9, 1900.
Length of test	8 hours.	8 hours.
Engine number	1209.	1208.
Diameter of plungers	34 inches.	34 inches.
Diameter of plunger rods	5.5 inches.	5.5 inches.
Number of plunger rods	1.	1.
Plunger area, forward strokes	907.92 sq. in.	907.92 sq. in.
Plunger area, return stroke	884.16 sq. in.	884.16 sq. in.
Plunger area, average	896.04 sq. in.	896.04 sq. in.
Average steam pressure	140.4 lbs.	140.35 lbs.
Average vacuum	27.78 in.	27.16 ins.
Average water pressure, force main	108.38 lbs.	108.68 lbs.
Average water pressure, suction main	19.98 lbs.	20.16 lbs.
Elevation F. M. gauge, above suction	9 ft.=3.91 lbs.	9 ft.=3.91 lbs.
Total pressure on plungers	92.31 lbs.	92.43 lbs.
Total head on plungers	212.72 ft.	212.97 ft.
Total registered strokes	8178.	8289.
Total actual strokes=Reg. strokes x 4	32712.	33156.
Average length of stroke, No. 1 side	49.68 in.	49.61 in.
Average length of stroke, No. 2 side	49.4 in.	49.52 in.
Average length of stroke, for engine	49.54 in.	49.565 in.
Piston speed per minute	140.66 ft.	142.63 ft.
Cubic feet pumped during test	840721.6 cu. ft.	852137.75 cu. ft.
Gallons pumped during test	6288597.7 gal.	6373953 gal.
Rate of pumping for 24 hours	18865793.1 gal.	19121859 gal.
Guaranteed capacity for 24 hours	17500000 gal.	17500000 gal.
Excess over contract capacity	7.8 %.	9.27 %.
Foot pounds of work done	1117463373 8 ft. lbs.	1134103088 1.6 ft.
Total weight of steam from condenser	63956.5 lbs.	65612 lbs.

Total weight of steam from jackets	13931.5 lbs.	14058 lbs.
*Total weight of steam used	77888 lbs.	79670 lbs.
Duty in ft. lbs. per 1,000 lbs. of steam	143470544 ft. lbs.	142350080 ft. lbs.
Guaranteed duty	130000000 ft. lbs.	130000000 ft. lbs.
Excess over contract guarantee	10.3 %.	9.5 %.
Pump horse-power	705.46 H. P.	715.97 H. P.

*No allowance for entrained water.

Surveys of cases of pollution on the Gunpowder and Lake Roland water sheds have been made, and each case surveyed has been neatly and accurately plotted and filed for future reference. This work will be continued and probably completed during the coming spring and summer.

The work of paving, grading, etc., at Mount Royal Pumping Station has been practically completed; only a few minor details remain to be done. The paving of the drives, footways, and the stone work at the McMechen street entrance, coping, etc., was done by contract, and was promptly and satisfactorily completed under the supervision of this division.

The improvements to the stable at Gay-street yard, designed in this office are being executed by contract. This work is being inspected daily and is in a fair way for early completion.

Much time has been devoted by this division to the plans, specifications, supervision, etc., of a water supply for the City's Quarantine Station. The artesian well has been completed and a satisfactory supply of water obtained. Contracts have been let for the tank, tower, machinery, etc. The work of completing this plant has been greatly delayed, owing to the contractors having to order most of the material from out of town manufacturers. This material is expected soon, and when secured, the work will be rapidly completed.

During the year important changes were made in the service areas, in accordance with the plan presented by Mr. Samuel M. Gray, in 1896, as follows:

On May 28th, the 20-inch Middle service main in Lafayette avenue, from Carey street, west to Fulton avenue and south to McHenry street, was changed to High service.

On June 21st, the district bounded by Baltimore street, Fulton avenue, Pratt street and Calverton road, was changed from Middle to High service.

On June 27th, the district north of Twenty-third street, west of York road, was changed from Middle to High service.

On July 7th, the block bounded by Baltimore, Fayette and Schroeder streets, and Arlington avenue and Schroeder street, between Baltimore and Hollins streets, was changed from Low to Middle service.

On July 20th, the district north of North avenue, east of Washington street, was changed from Low to Middle service.

On September 17th, the district north of McMechen street, west of Mt. Royal avenue, was changed from Middle to High service.

On September 19th, all the Middle service lines between Broadway, Gay street and the city limits, were changed to High service.

On September 21st, all the Middle service lines north of Lanvale street, between Fremont avenue and John street, were changed to High service.

On October 22nd, the district between Fulton avenue, Gilmor, Baltimore and Lexington streets, was changed from Middle to High service.

On December 6th, the 12-inch line in German, South and Water streets, was changed from Low to Middle service.

All of these changes were made under the supervision of this division, and were successfully accomplished, with but two accidents of minor character.

This division is greatly in need of proper office facilities. The rooms occupied are entirely too small for the economical conduct of the class of work required of the division. Abundance of floor space and light should be provided for every draughting room; the rooms now occupied do not possess these requirements, and I hope that some arrangements may be made in the near future to provide the required space. Office furniture is also required, such as cases for record books, and for filing catalogues, etc. I would suggest also that a moderate-sized library of scientific books, bearing on water supply engineering, hydraulics, chemistry, etc., be added to the office equipment. The small cost of these improvements would be amply repaid by the increased efficiency of the division.

The working force of this division consists, in addition to myself, of one civil engineer, four draughtsmen, one rodsman, one tester of meters, two meter inspectors, one service inspector, one inspector of private service pipes, and one clerk and typewriter. During the year one extra rodsman and one inspector of paving were temporarily employed.

It gives me pleasure to report that all of these employees have performed their duties well and conscientiously, and have responded cheerfully to every request I have made of them.

GENERAL OPERATIONS.

1st. Laying out lines of large mains required for better circulation of water throughout the system, and smaller lines for supplying applicants for service connections, and for the general improvement of the water supply.

2nd. Estimating quantities of pipe, special castings, valves, etc., for laying mains.

3rd. Keeping a record of all straight pipe made for the Department; of the amount of pipe, special castings and valves, ordered and shipped and shipment, transfer, receipt, and unloading of all car loads of such material.

4th. Locating all new service and meter supplies put in during the year, and keeping a record of the status of all service and meter supplies.

5th. Locating all branches, valves, connections and fire hydrants inserted during the year.

6th. Inspecting and reporting to the Collector of Water Rents and Licenses as to properties on joint private service pipes. Investigating illegal connections and supplies.

7th. Inspecting the general condition of all meters in service, taking quarterly statements of meters and indicators, making drawings of the locations of new meters installed, testing new and old meters, testing indicators for disputed bills and entering up meter accounts.

8th. Plotting on the maps all mains laid in 1900, making plans for the extension of High and Middle service areas.

9th. Making plans for work done at Mount Royal Pumping Station, as follows:

Iron galleries under Engines Nos. 1208 and 1209.

Drip-pans under pumps, dynamo engines, conveyor engines, etc.

Deflector in coal bins.

Frames and doors for enclosing dynamo-room.

Iron grating for basement windows.

Roadways, grading, paving and drainage of Pumping Station grounds.

Iron bridge between pump foundations.

Stone gate posts, coping, etc.

Iron railing at McMechen street entrance.

Iron hoods over gears on stroker engine.

Cast-iron plates for catch basins.

Circular inlet to sewer.

Cast-iron grating around suction pipes of Engines Nos. 1208 and 1209.

Conduit for light wires to gate posts.

10th. Making plans for work done at Eastern Pumping Station, as follows:

Ventilator on roof of Pump-house.

Complete plans for addition to stable and new wagon shed.

New main steam pipe line from boilers to engines.

Connections from meter testing set to elevator pipe.

Proposed railroad siding.

11th Making plans for work done at Western Pumping Station, as follows:

For grading, paving, kerbing, drainage, etc.

For hot well.

12th. Miscellaneous plans and drawings, as follows:

Drainage system at West Arlington Standpipe lot.

Fifteen plats showing pollution on Gunpowder water-shed.

Twenty thirty-seven half-mile sheets of map of Baltimore.

Details of flange, screw and bell-end gate valves, from 2″ to 10″.

Complete plans for a water-works system at City Quarantine Station.

Meter vault and setting for Mount Holly Inn.

Table of cost of water by meter.

Plumbing for keeper's house at Mount Royal Reservoir.

Bracing for guage boards at Lake Roland.

Vault for two 3-inch meters at Union Station.

Folding stadia rod.

Plan for proposed Eastern Upper Service.

Works of the Catonsville Water Company in Baltimore City.

Plan for carrying 10-inch pipe over Eastern-avenue bridge.

Standard threads for valve stems.

Setting for two 3-inch Torrent meters.

Plat of the Daniel's property south of Lake Montebello.

Proposed driveway connecting Clifton Park and Lake Montebello property.

13th. Engineering work, as follows:

Trial of boilers at Mount Royal Pumping Station.

Duty trials of Engines Nos. 1208 and 1209.

Surveys for lines and grades for driveways, etc., and field work in connection with the grading, paving and drainage at Mount Royal and Western Pumping Stations.

Surveys and field work for water supply at City Quarantine Station.

Surveys of Loch Raven from dam to upper end, in connection with dredging.

Surveys at Gay-street yard for proposed railroad siding.

Surveys of Daniel's property south of Lake Montebello.

Surveys of twenty-two cases of pollution on Gunpowder, and three cases on Lake Roland water-sheds.

Monthly estimates of dredging at Loch Raven.

Field work in connection with the changing of service areas.

14th. Preparing specifications and contracts, as follows :

Artesian well, tank and steel structure, pump and gasoline engine, and frame pump-house at City Quarantine Station.

Paving at Mt. Royal and Western Pumping Stations.

Electric light line.

Stable at Gay-street yard.

Ventilators at Eastern Pumping Station.

Stone work at Mt. Royal Pumping Station.

Steam piping at Eastern Pumping Station.

For Department supplies for 1901.

15th. Resume of the work done :

	New Branches Located	Valves Located.	Service Connections Located.	Meter Supplies Located.	Plumbing Connections Inspected.	Private Pipe Inspections.	Meters Tested.	Plans Made for Extension of Mains.	Fire Hydrants Located	Miscellaneous Plans and Drawings.	Complaints Investigated.
January	20	29	246	15	113	57	18	10	2	4	.....
February	11	33	410	11	65	43	12	4	4	5	.....
March	25	38	167	8	126	51	10	10	4	40	.....
April	17	19	152	12	44	52	29	13	5	11	.....
May	16	31	195	14	143	34	19	14	5	6	143
June	32	46	247	13	103	29	5	19	13	2	167
July	28	46	223	10	79	29	35	13	8	6	216
August	24	37	199	13	118	38	15	17	10	10	152
September	23	38	285	9	83	44	7	13	1	6	145
October	37	59	195	7	90	46	31	28	11	11	223
November	24	30	238	10	96	51	31	35	5	20	129
December	32	52	126	9	73	41	29	17	7	20	30
Totals	289	458	2683	131	1133	515	241	193	75	141	.....

Respectfully submitted,

ROBERT L. CLEMMITT,
Assistant Engineer.

Report of Auditing Division.

Mr. A. M. Quick, *Water Engineer:*

I beg to present herewith the report of the Auditing Division for the year ending December 31st, 1900.

The work of this Division for the past year has been to keep the books of the Department showing its accounts with outside parties and with other Departments of the City Government, to keep a record of all disbursements and receipts, to make up payrolls and pay off all employees, to order all materials, to take all stock inventories and keep a stock ledger, to keep a record of all work done on shop orders, to check and compare all bills, to draw up all warrants, to keep a record of all rents and insurance, etc. As head of this Division I have also had general supervision over the accounts and records of clerks in other Divisions of the Department.

Upon assuming the duties of this office in May, I first made a thorough and careful investigation of the system of accounts and records, methods of taking stock and doing all other work. I beg to state that the general system I found in force appears to be well adapted to properly show the results required, and the defects which existed were not so much in the general scheme of accounting and recording as because of the failure of employees to exercise proper care and judgment. Bills were wrongly charged and carelessly audited, some records were needlessly duplicated and others which should have been kept were not kept at all. Competitive prices were rarely obtained in buying supplies which were not included in the Department contracts. Disbursement accounts were kept by different clerks which did not agree, and no balance had ever

been struck on the stock ledger. Also no separate record was kept of rents collected or insurance in force. No provision had been made for keeping such accounts as the separation of this Department from that of the Collector of Water Rents and Licenses made necessary. And apparently no correct inventory of the Department's property and stock had ever been made. The stock inventory, which had been made on January 1st, 1900, was valueless, as no materials in stock had been properly marked or segregated at that time.

All of these errors were corrected as soon as possible. Since then all bills have been carefully checked and compared with bids or contracts and with requisitions and receipts, and have been afterwards audited and approved by the Water Engineer and by the Auditing Committee of the Water Board, so that the chance of errors escaping notice has been reduced to a minimum. All useless duplication of records has been stopped. Records of rents, insurance, etc., have been started. Many new accounts which were necessary have been opened, such as a pattern account, loan accounts, etc. All bills have been properly charged. Competitive prices have been obtained for all supplies not on contracts, except for small emergency orders, since about the 1st of June, and between $1,200 and $1,500 was saved by this practice up to the end of the year. All materials in stock have been carefully classified, segregated and valued, and as the January inventory was valueless a new inventory of this stock was taken on July 1st. All loading slips, stock bin tickets and material receipts have been serially numbered so that the loss of any of them will be at once observed and so that discrepancies between the inventory and stock-ledger balances can now be traced. Data has been collected from various sources so that all land, water rights, buildings, conduits, reservoirs, pipes, etc., belonging to the Department can be entered as assets on our books.

I present below the annual statements showing the assets and liabilities of the Department, the gross receipts and total disbursements, the surplus, disbursements on each of our two

appropriation accounts and a statement of stock on hand January 1st, 1901.

In conclusion I wish to express my appreciation of the faithful, intelligent and conscientious manner in which the employees of this Division have aided me in accomplishing these results.

Respectfully submitted,

CHARLES W. NAGLE,
Chief Clerk Auditing Division.

ITEMS.	DISBURSEMENTS.												TOTAL.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Books, stationery and printing	$287 16	$266 21	$184 54	$265 10	$140 86	$93 84	$46 36	$136 29	$154 23	$435 61	$78 54	$337 67	$2,426 41
Drawing materials	2 50			4 00	24 20				61 35	22 75	14 28		129 08
Office furniture and fixtures	35 00		38 00	17 50	129 35	30 50	38 50		1 20		10 15		300 20
Light and fuel	1,959 56	2,634 67	1,190 26	4,144 68	420 15	1,048 36	105 15	515 39	864 38	1,919 66	982 47	6,141 00	21,925 73
Salaries	8,329 61	7,660 90	7,337 26	6,322 65	6,777 24	7,696 22	7,993 41	8,124 63	7,907 30	7,930 22	7,683 23	7,627 93	91,390 60
Labor	14,600 37	12,797 74	11,941 20	6,802 06	8,997 08	9,261 82	12,657 84	10,278 43	9,199 10	12,498 58	9,915 81	12,149 08	131,099 11
Hauling	432 07	47 03	74 65		296 08	312 83	111 39	126 68	83 15	157 88	125 86	86 47	1,854 09
Mt. Royal Pumping Station	21,615 92	1,240 28	313 37					276 80			4,931 37	991 20	29,368 94
West Arlington standpipe	260 58		80 02										340 60
Pumps and boilers			11,988 49									9,200 00	21,188 49
Tools and hardware	208 53	59 43	139 80	166 13	131 85	388 74	146 78	72 45	142 65	798 77	265 95	151 31	2,672 39
Machinery		65 80	199 88	584 75		500 90		98 80		112 95	232 55	14 36	1,809 99
Cast-iron pipe	3,479 72	1,296 84	2,444 20	2,009 17	1,770 00	3,435 34	564 49	30 46	528 01	5,559 87	3,525 43	1,342 03	25,985 56
Cast-iron pipe fittings	2,937 71	734 45	166 27	856 20	307 27	77 75		876 19	197 23	202 31	1,111 03	47 08	7,513 49
Special iron castings		380 00			248 88		520 00	490 00	300 00		20 50	300 00	2,259 38
Valves	204 00	4 00	189 75	453 22	34 12		18 86	43 35	82 92	1,403 84	63 10	26 18	2,523 34
Wrought iron pipe and fittings	136 52	11 90	28 89	73 31	14 74	46 94	68 06	76 70	243 91	99 87	49 49	26 02	876 35
Service pipe and fittings	780 28		1,392 26	2,774 96	2,965 45	105 72	2,116 71	4,298 34		2,631 19		1,979 93	19,044 84
Brass castings	277 98				389 20	108 71	75 58	71 32	336 88		452 66	105 82	1,818 15
Bar iron and steel	57 31	40 89	16 15	50 68	172 58		30 82	5 51	56 88		62 27		493 09
Meters	1,261 33	42 50	19 50	1,297 90	222 50	3 60	443 15	15 00	425 00	467 15	499 86	416 79	5,114 28
Lead	6,475 26												6,475 26
Lumber	291 02	230 36	61 45	66 70	170 74	237 25	263 78	377 73	252 78	172 08	258 95	248 12	2,630 96
Rope and packing	18 41	58 64		76 24	6 12	99 62	29 46	54 36	20 07	56 67	28 05	68 82	516 46
Paint, waste and oils, grease	532 82	241 74	221 30	31 14	59 18	525 88	288 83	328 39	307 28	532 17	91 30	295 50	3,455 53
Rubber	16 50	39 56	14 56	155 02	66 86	80 84	495 94	247 61	63 50	97 00	57 21		1,334 60
Brick, stone and cement	721 44	145 48	32 00	106 28	516 09	525 22	884 67	493 00	240 25	82 17	163 43	438 67	4,348 70
Sand, gravel and ashes	171 10	32 25	67 50	60 25	102 75	49 50	61 30	73 15		30 75	17 75		666 30
Asphalt paving	295 96	101 80	222 86	412 12	274 87	1,272 61	97 78	357 26	149 95	194 40	115 10	177 57	3,672 28
Feed	28 65	57 60	81 92	54 60	53 34	74 22	97 68	62 63	44 45	71 30	35 10	28 44	689 93
Dredging			4,001 88	4,320 84	5,326 96	4,759 10	3,540 78	3,775 63	3,739 74	4,202 90	3,417 01	2,385 47	39,470 31
Current expenses	466 84	395 66	419 24	670 00	335 93	180 67	182 56	315 24	138 41	309 13	112 63	168 89	3,695 20
Sundries	413 75	52 30	218 50	600 96	676 78	3,862 09	821 67	1,058 78	1,500 17	1,269 29	1,339 09	2,282 22	14,095 60
Stable addition, Gay-street yard												1,101 74	1,101 74
Totals	$66,297 90	$28,638 03	$43,085 70	$32,376 46	$30,631 17	$34,778 27	$31,701 55	$32,680 12	$27,040 79	$41,258 51	$35,660 17	$48,138 31	$452,286 98

	ITEMS.	Receipts.												Totals.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Construction Div.	New services inserted	$1,320 00	$1,716 00	$1,176 00	$1,764 00	$2,130 00	$2,970 00	$1,806 00	$1,410 00	$2,142 00	$2,448 00	$2,614 00	$1,476 00	$22,972 00
	Meter supplies inserted	1,636 74	804 32	961 77	575 28	805 75	852 44	658 89	883 76	885 51	1,559 29	1,217 94	943 00	11,784 69
	Repairs	445 82	323 78	925 39	65 15	519 64	492 71	787 55	748 62	793 89	871 32	1,275 48	898 91	8,148 26
	Sand, etc.													
	Totals	$3,402 56	$2,844 10	$3,063 16	$2,404 43	$3,455 39	$4,315 15	$3,252 44	$3,042 38	$3,821 40	$4,878 61	$5,107 42	$3,317 91	$42,904 95
Mechanical Div.	Scrap					$508 53		$241 32	$ 7 56				$55 96	$813 37
	Old brass								214 46			$514 92	39 06	768 44
	Pipe and castings						1 20	16 56		$ 2 64	$14 30		999 11	1,033 81
	Coal	$10 88	$2 18	$2 18						579 05				594 29
	Miscellaneous		13 40				17 85		16 43				129 03	176 71
	Totals	$10 88	$15 58	$2 18		$508 53	$19 05	$257 88	$238 45	$581 69	$14 30	$514 92	$1,223 16	$3,386 62
County Division.	Hay, fodder, etc.		$471 75	$170 20	$222 52	$140 90	$19 50				$41 65	$40 88	$229 16	$1,336 56
	Horses, mules, wagons and harness									$1 60		4 00		5 60
	Wood		12 13	7 75	1 00	8 00	80			3 75	8 75	3 00	2 75	47 93
	Sand		6 10		30 00						60	51 70	10 00	98 40
	Ice		2 00											2 00
	Rent		14 00		14 00	13 00	26 00		$245 00	33 50	18 00	36 00	154 00	553 50
	Totals		$505 98	$177 95	$267 52	$161 90	$46 30		$245 00	$38 85	$69 00	$135 58	$395 91	$2,043 99
	Grand total	$3,413 44	$3,365 66	$3,243 29	$2,671 95	$4 125 82	$4,380 50	$3,510 32	$3,525 83	$4,441 94	$4,961 91	$5,757 92	$4,936 98	$48,335 56

DEPARTMENT OF PUBLIC WORKS—SUB-DEPARTMENT OF WATER BOARD.

STATEMENT OF ASSETS AND LIABILITIES TO DECEMBER 31, 1900.

ASSETS.	Accounts Receivable.	Tools and Machinery.	Furniture and Fixtures.	Horses and Wagons.	Mains Laid.	Land, Construction and Real Estate.	Sinking Fund.	Stock on Hand Jan. 1, 1901.
Water Registrar's Department	$254,079 37							
Construction Division	11 79	$ 4,479 58	$1,459 25	$ 935 25				$12,129 24
Mechanical Division	215 10	5,340 60		1,021 00				
Western Pumping Station		74,318 39	97 97			$ 53,571 00		425 89
Eastern Pumping Station		85,890 03	173 35			132,845 95		319 03
Mt. Royal Pumping Station		134,280 43	481 68			218,906 00		1,233 19
Machine Shop		9,632 07	171 10					
Gay-street Yard		12,460 40						97,408 21
Montebello		275 00	14 00	726 50		1,137,918 07		898 71
Clifton		37 25		20 00		729,832 63		15 00
Mt. Royal Reservoir		13 00				133,162 35		10 00
Druid Lake		77 25	13 50	64 00		1,334,573 92		36 00
Hampden		28 00		150 00		226,043 53		25 50
Western High Service		7 00				112,518 57		5 00
Guilford Reservoir		15 00	4 00			162,671 24		19 00
Loch Raven		15,419 00		764 00		2,656,804 08		1,399 00
Lake Roland		206 00	30 00	303 00		378,606 20		177 00
Jones' Falls Conduit						569,043 35		
West Arlington Stand-pipe		38 55				41,732 74		10 50
Engineering Division		300 00	616 00	164 40	4,119,901 48		$1,935,224 99	10 00
Auditing Division			112 00					10 00
Total Accounts Receivable	$254,306 26							
Total Tools and Machinery	$ 342,817 55	$342,817 55						
Total Furniture and Fixtures	3,172 85		$3,172 85					
Total Horses and Wagons	4,148 15			$4,148 15				
Total Mains Laid	4,119,901 48				$4,119,901 48			
Total Land, Construction and Real Estate	7,888,229 63					$7,888,229 63		
Sinking Fund	1,935,224 99						$1,935,224 99	
Total Stock on Hand	114,131 27							$114,131 27
Total Assets	$14,661,932 18							

LIABILITIES.	Accounts Payable.	Loans.
Water Board	$30,791 96	$8,500,000 00
Total Accounts Payable	$30,791 96	
Total Loans	8,500,000 00	$8,500,000 00
Total Liabilities	$8,530,791 96	

Total Assets	$14,661,932 18
Total Liabilities	8,530,791 96
Excess Assets over Liabilities	$6,131,140 22

STATEMENT OF EXPENDITURES FOR 1900.

CHARGED TO $2,000,000 LOAN.

Months.	Books, Station'y, Printing.	Drawing Materials	Office Furniture and Fixtures.	Light and Fuel.	Salaries.	Labor	Hauling.	Mt. Royal Pumping Station.	West Arlington Standpipe	Pumps and Boilers.	Tools and Hardware	Machinery.	Cast Iron Pipe	Cast Iron Pipe Fittings.	Special Iron Castings.	Valves.	W. I. Pipe and Fittings.	Service Pipe and Fittings.	Brass Castings	Bar Iron and Steel.	Meters.	Lead.	Lumber.	Rope and Packing.	Paint, Waste and Oils.	Rubber.	Brick, Stone and Cement.	Sand, Gravel and Ashes	Asphalt Paving.	Feed.	Dredging.	Current Expenses.	Sundries.	Totals.
January				$19 40	$1,104 99	$3,018 84	$432 07	$21,615 92	$260 58		$47 89		$3,479 72	$2,533 73					$126 00			$3,237 63	$138 80				$696 50	$61 00	$105 57				$20 00	$36,848 64
February				87 21		1,293 39	47 03	1,240 28					1,296 84	582 93									20 00			$12 00	44 25	12 50						4,636 43
March						705 95		130 00		$11,988 49				60																		12,825 04
April																										4 50						4 50
May																																
June																																
July																																
August																																
September																			279 90													279 90
October	$119 96					115 68		4,931 37					985 92																			235 64
November						297 79		992 10		9,200 00																						6,215 08
December						746 42																										10,908 52
Totals	$119 96			$106 61	$1,104 99	$6,178 07	$479 10	$28,879 67	$260 58	$21,188 49	$47 89		$5,762 48	$3,117 26					$405 90			$3,237 63	$158 80			$12 00	$695 25	$73 50	$105 57				$20 00	$71,953 75

CHARGED TO WATER ENGINEER'S DEPARTMENT.

Months	Books, Station'y, Printing.	Drawing Material.	Office Furniture and Fixtures.	Light and Fuel.	Salaries.	Labor.	Hauling.	Mt. Royal Pumping Station.	West Arlington Standpipe	Stable Addition Gay-Street Yard.	Tools and Hardware	Machinery.	Cast Iron Pipe.	Cast Iron Pipe Fittings.	Special Iron Castings.	Valves.	W. I. Pipe and Fittings.	Service Pipe and Fittings.	Brass Castings.	Bar Iron and Steel.	Meters.	Lead.	Lumber.	Rope and Packing.	Paint, Waste and Oils	Rubber.	Bricks, Stone and Cement.	Sand, Gravel and Ashes	Asphalt Paving	Feed.	Dredging.	Current Expenses.	Sundries.	Totals.
January	$287 19	$ 2 50	$ 35 00	$1,940 17	$7,224 62	$11,581 53					$160 64			$ 403 98		$ 204 00	$136 52	$ 780 28	$151 98	$ 57 31	$1,261 33	$3,237 63	$152 22	$18 11	$532 82	$ 16 50	$ 74 94	$110 10	$190 39	$28 65		$466 84	$ 393 75	$29,449 26
February	266 23			2,517 49	7,669 90	11,504 35					59 43	$ 65 80		151 52	$380 00	4 00	11 90			40 89	42 50		210 36	88 64	241 74	27 50	101 23	19 75	161 80	57 90		395 66	52 30	24,661 60
March	181 54		35 00	1,190 26	7,337 26	11,235 25	$ 74 65	$183 37	$80 02		139 80	199 88	$2,444 20	165 67		189 75	28 89	1,392 26					61 45		221 30	14 56	42 00	97 50	222 86	89 92	$1,001 88	419 24	218 50	30,260 66
April	295 10	4 00	17 50	4,111 68	6,322 65	6,802 06					166 13	584 75	2,009 17	856 20		453 22	73 31	2,774 96		50 68	1,297 90		66 70	76 21	31 13	155 02	104 78	60 25	412 12	54 60	4,320 84	670 00	600 96	32,371 96
May	140 86	24 20	120 38	420 11	6,777 24	8,997 08	296 08				131 85		1,770 00	307 27	248 88	34 12	14 74	2,965 45	389 20	172 58	222 50		170 73	6 12	50 18	66 86	516 09	102 75	274 87	53 31	5,326 96	335 93	676 78	30,631 17
June	93 84		39 50	1,038 38	7,696 22	9,261 82	312 83				388 74	500 90	3,435 34	77 75			46 94	105 72	108 71		3 60		237 25	99 02	525 88	50 84	525 22	19 50	1,272 61	71 22	1,750 10	180 67	3,862 09	31,728 27
July	36 36		18 50	105 10	7,993 11	12,657 84	111 39				146 78		564 49		520 00	18 56	68 06	2,110 71	75 88	30 82	443 15		203 78	29 16	288 83	495 94	884 67	61 30	97 78	67 68	4,840 78	182 56	821 67	31,701 55
August	136 29			515 36	8,124 63	10,278 43	126 68	276 80			72 45	98 80	30 46	876 19	490 00	43 35	76 70	4,298 34	71 12	5 51	15 00		377 73	51 16	328 89	247 01	493 00	73 18	357 26	62 63	3,775 63	315 24	1,058 78	32 680 12
September	184 23	61 35	1 20	884 18	7,496 30	9,199 10	83 15				142 65		528 01	197 23	300 00	82 92	243 91		56 98	56 88	425 00		252 78	20 07	307 28	63 50	240 25		139 95	44 45	3,739 74	138 11	1,500 17	29,760 89
October	418 68	22 78		1,919 66	7,930 22	12,382 90	157 88				798 77	112 95	5,559 87	202 31		1,403 84	99 87	2,631 19			307 15		172 68	56 67	532 17	97 00	82 17	30 75	194 16	71 30	4,202 90	309 13	1,289 29	41,022 57
November	78 54	14 28	10 18	982 17	7,683 23	9,618 02	125 86				265 45	232 55	2,539 51	1,111 03	20 50	63 10	49 49		452 66	62 27	499 86		258 95	28 05	91 30	57 21	163 43	17 75	115 10	35 10	3,417 01	112 63	1,330 09	29,445 09
December	337 67			6,141 00	7,627 93	11,402 66	86 47	29 10		$1,101 74	151 31	14 36	1,342 03	47 08	300 00	26 18	26 02	1,979 93	105 82		416 79		248 12	68 82	295 50		138 67		177 57	28 44	2,385 47	168 89	2,282 22	37,229 79
Totals	$2,309 48	$129 08	$300 20	$21,819 12	$90,285 61	$124,921 04	$1,374 99	$489 27	$80 02	$1,101 74	$2,624 50	$1,809 99	$20,223 08	$4,396 23	$2,259 38	$2,523 34	$876 35	$19,044 84	$1,412 25	$493 09	$5,114 28	$3,237 63	$2,472 16	$516 46	$3,455 53	$1,322 60	$3,653 45	$892 80	$3,596 71	$989 93	$39,470 31	$3,695 20	$14,075 60	$380,333 23

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR YEAR ENDING DECEMBER 31, 1900.

1900.			
Jan. 1.—By balance			$62,531 75
" amount received from water rents	$657,098 81		
Less refunded	1,807 92		
			655,290 89
" interest on back water rents			6,582 00
" " " deposits			1,222 46
" meter rents			226,559 33
" amount from new meters installed	$16,950 69		
Less paid for meters	6,275 41		
			10,675 28
" plumbing bills			32,018 52
" turn offs			3,240 00
" vacancies			505 00
" insurance premiums returned			29 80
" salaries returned			7 67
" sales of materials and rents			4,758 63
			$1,003,421 33
Disbursements.			
Engineer's Department, salaries	$ 75,633 70		
" " expenses	294,673 01		
Water Registrar's Department, salaries	22,559 72		
Water Registrar's Department, expenses	381,142 17		
			$774,008 60
1900.			
Dec. 31.—To surplus to Com'ers of Finance.			$229,412 73

Report of Construction Division.

GEORGE R. TRUELOVE, *Superintendent.*

MR. A. M. QUICK, *Water Engineer:*

I respectfully submit herewith my report of the work of the Construction Division for the year 1900. The work of the Division during the year has been to lay all water mains, put in all services, meters and hydrants, make all repairs necessary on mains, services, meters and hydrants, repave over all the foregoing work, pack all meters, flush all hydrants and blows, inspect all excavations in the streets where the pipes of this Department were exposed, etc. In addition to the above, this Division did some extra work, such as building large blow-off vaults on the four 30-inch pipes running from Hampden Reservoir to Druid Lake, grading Mt. Royal Pumping Station lot, etc. The work done by this Division is given in detail in the tables appended.

Upon taking charge of the Division about the first of April, I found the force somewhat badly organized and lacking in discipline, with many foremen and other employees lacking sufficient experience, so that it was impossible at the start to do as effective and economical work as was done later on. I also found the stock of supplies for this Division scattered all over the City Hall and not properly classified, segregated or protected. Many tools were kept where they were accessible to all employees, and no proper record was kept of their disbursement.

These defects were remedied as soon as possible. Incompetent and inexperienced employees were replaced by experienced men, and the force was organized for harmonious and effective work. In order to encourage the men to do good

work, tappers and caulkers, who were formerly classed and paid as common laborers, have been put in a class by themselves at increased wages. All stock has been properly classified, segregated and valued, and put in bins in rooms accessible only to the storekeeper. Lockers have been built for each foreman in which they keep all their personal effects and most valuable tools in constant use, and all other tools have been put in a separate tool-room and a record kept of their disbursement.

Notwithstanding the fact that the prices of nearly all materials used by this Division were much higher in 1900 than in 1898 or 1899, most of the work which we have done has been done much cheaper than in those years. As compared with 1899, cast-iron pipe cost us about $8.00 more a net ton, cast-iron pipe fittings from $5.60 to $15.60 more per net ton, brass fittings 9½ cents more per pound, and service pipe from 4 to 10 cents more per pound. Yet, making no allowance for this difference in the cost of material, we laid pipe at the following cost per foot less than in 1899: 3-inch pipe, 8 cents per foot less; 4-inch pipe, 21 cents per foot less; 10-inch pipe, 19 cents per foot less; and 12-inch pipe, 11 cents per foot less. Also allowing for the extra cost of material in 1900, we laid 6-inch pipe for about 18 cents per foot less than it was laid in 1899.

Notwithstanding the fact that we were paying more in 1900 for both service pipe and fittings than was paid in 1899, the average cost of putting in house services under my supervision in 1900 was 87 cents per service less than in 1899. The cost of paving, putting in meters and hydrants and of all other work has also been much less than similar work cost in 1899.

The following is a detailed statement of the work done by this Division during the year:

MAINS LAID PREVIOUS TO MARCH 1, 1900.

Blue Print.	Location.	Size.
01214	Harvey street and Whetstone alley	4 inches
01221	Seventh street, south from North avenue	10 in. and 6 in
01226	Charles street, between Clement and Fort avenue	6 in
01228	Campbell street, between Columbia avenue and St. Peter street	6 in
01229	Lehman street, east of Brunswick street	6 in
01231	Carlton street, between Riggs avenue and Smith street	4 in
01232	Etting St., between Lanvale and Dolphin Sts.	6 in
01235	Lombard street, between Parkin street and Callendar alley	6 in. and 3 in
01236	Cromwell street, between North avenue and Twentieth street	6 in
01237	Merryman avenue, between Barclay street and York Road	6 in
01239	Madison street, between Patterson Park avenue and Bradford alley	6 in
01240	Wood street, between South street and Bowley's Wharf	3 in
01241	Collington ave., between Chase and Eager sts.	6 in
01244	McMechen street and North avenue	36 in
01249	Mount st., between Lorman and Presstman sts	6 in

MAINS LAID FROM MARCH 1 TO DECEMBER 31, 1900.

No. of Blue Print.	Location.	Size in Inches.
00574	Bed Jones' Falls, between Hampden Reservoir and Druid Lake	4–6 in. Blows
00642	Twenty-seventh and Catherine, between Huntingdon avenue and Twenty-eighth st.	6 in
00780	Fifth avenue, east of Druid Heights avenue	6 in
01195	Twentieth street, between Garrett and Kennedy avenue	6 in

MAINS LAID—Continued.

No. of Blue Print.	Location.	Size in Inches.
01224	Payson street, between Baltimore street and Frederick avenue	10 in
01230	West Arlington Standpipe	Drainage
01250	Fulton avenue, between Presstman and Lorman streets	6 in
01251	Reese al., between Welcome al. and Lee st	6 in
01253	Baltimore street, between Arlington avenue and Schroeder street	6 in
01254	Leadenhall street., between Hamburg and Cross streets	6 in
01257	Carlton st., north of Lorman st., and Lombard st., between Carrollton and Arlington aves	6 in
01259	Northwest to Southwest corner Carrollton avenue and Raborg street	Plug 5 in
01269	Claret alley, between Cross and Hamburg sts.	6 in
01275	Heath st., between Covington and Belt sts	6 in
01277	Forrest street, between Half-moon alley and Fayette street	6 in
01285	Thames street, east of Wolfe street	6 in
01291	Cypress alley, between Pratt and Dover sts	5 in. drainage
01293	Beaufort alley, west of Calvert street	3 in
01308	Falls Road, south of Third avenue	6 in
01309	Mt. Royal Pumping Station property	4 in
01311	Carey street, between Columbia avenue and Cleveland street	6 in
01312	Northeast corner Division and Wilson streets	Fountain
01315	Gail Alley, between Welcome alley and Lee street	6 in
01316	Warner st. between Hamburg and Cross sts	6 in
01317	Northwest corner Chestnut avenue and Thirty-fifth street	5 in. plug
01318	Cedar avenue, south of First avenue	10 in
01319	Bentalou street, between Mary Anna and Ramsay streets	6 in
01320	Jefferson street, west of Liberty street	6 in
01322	Alley west of Monroe street and north from Ridgewood avenue	4 in
01324	Alley west of Luzerne street and south from Orleans street	4 in
01325	Lanvale street, between Hopkins avenue and Wolfe street	6 in

MAINS LAID—Continued.

No of Blue Print.	Location.	Size in Inches.
01326	Northeast corner Merryman and Ash avenues..	5 in. plug
01328	Falls Road, north of Merryman's lane.....	6 in
01330	Orchard st., north and south of Madison ave...	6 in
01331	Carey st., between Baltimore and Fayette sts.,	6 in
01332	Hooper and Girard avenues.....	4 in
01333	Southwest corner Seventeenth street and Holly avenue.....	4-in. meter
01334	Southeast corner St. Paul and Fayette sts.....	Change site 5-in. plug
01338	Lafayette avenue, between Park avenue and Foster alley.....	6 in
01340	Northwest street, between Mount and Carey streets	6 in
01341	Mt. Vernon place west of St. Paul street.....	6 in
01342	Sargeant street, between Bayard and Carey sts	6 in
01343	Forrest street north of Gay street.....	4 in
01345	Pulaski and Pratt streets.....	10-in. connection
01346	Calverton road, Pulaski street and Frederick avenue.....	6-in. connection
01347	Port street, between Lanvale and Federal st....	6 in
01348	Maryland avenue, between Preston street and Jones' Falls.....	10 in
01350	Mt. Royal terrace, north of Newington avenue.	2-in. blow
01351	Morton alley, north from Mt. Royal avenue...	6 in
01352	Charles and Oliver streets.....	4-in. connection
01353	Cathedral street and Mt. Royal avenue.....	4-in. connection
01354	Druid Hill avenue, at North avenue and Clendenin street.....	4-in. connection
01355	Northwest corner Eutaw street and West alley	5-in. plug
01356	Burrough street, between Fort avenue and Clem street.....	6 in
01357	Eutaw, Hamburg and William streets.....	Spec'l connection
01358	Hargrove alley, north of Centre and Davis sts..	6-in. connection
01359	Argyle avenue, between Dolphin and Hoffman streets.....	6 in
01360	Alley east of Carey street, between Carroll and Cleveland streets.....	6 in
01362	Alley north of Belt Line, between Barclay street and York road.....	6 in
01363	Mosher street and Malster avenue.....	4 in
01363	Mt. Royal Pumping Station.....	Roadways and grading

MAINS LAID—Continued.

No of Blue Print.	Location.	Size in Inches.
01365	Jefferson place and Twenty-third street, alley east of Jefferson south of Twenty-third st....	3 in
01366	Oliver street, between Bond and Caroline sts..	6 in
01367	Broadway, south of Thames street.....	6 in
01369	Northwest corner Holliday and Centre sts.....	5-in. plug
01370	Fulton avenue and McHenry street.....	2-in. blow
01371	House of Refuge.....	2-in. blow
01372	Alley north from Lanvale street west of Washington street.....	6 in
01373	Montford avenue, south of Fayette street.....	6 in
01374	Baltimore street and Calverton road.....	6-in. connection
01375	Courtland street, between Saratoga and Lexington streets.....	6 in
01376	Madison street west of Montebello avenue.....	6 in
01378	Monument st., between Howard and Eutaw sts.	6 in
01379	Northwest corner Lafayette ave. and Dallas st..	4-in. plug
01381	Denver st., between Carey and Bayard sts.....	6 in
01384	Charles st., between Barre and Lee st.....	6 in
01385	Madison and McDonogh streets.....	5-in. plug
01386	Mt. Royal Reservoir, Keeper's house.....	Plumbing
01387	Kuper place, between Calhoun and Woodyear streets.....	4 in
01388	Newman court, east of Carlton street.....	3 in
01390	Washington street, north of Lombard street...	3 in
01391	Boston street, between Potomac street and East avenue.....	10 in
01392	Woodley street, between Lanvale street and Lafayette avenue.....	6 in
01393	Elm avenue, south of North avenue.....	6-in meter vault
01395	Southwest corner Albermarle and Granby sts..	Fountain
01396	Fayette street, between Pulaski and Smallwood streets.....	6 in
01399	Union Station, Pennsylvania Railroad.....	Change location of 3-in. meters.
01400	Alley east of Fulton avenue, south of Saratoga street	2-in blow
01401	Mt. Royal Pumping Station.....	Sewer well
01402	Collington avenue, between Monument and Madison streets	6 in
01403	Southeast corner Holland and Central avenue.	Fountain
01405	Frederick road and Wilkens street.....	4-in plug

MAINS LAID—Continued.

No. of Blue Print.	Location.	Size in Inches.
01406	Spring street, between Oliver and Federal sts..	6 in
01407	Division street and alley south of Mosher st...	3-in. connection
01408	Wagon alley, between Schroeder street and Arlington avenue	4 in
01409	Federal street, east from Milton avenue	6 in
01410	Garrison Lane and Baltimore & Potomac R.R.	6-in. connection
01411	Pratt street, between east Falls avenue and High street	6 in
01412	Pratt street, west of Central avenue, and Pratt street west of Little Gough street	6 in
01414	Amity street, north from Lexington street	6 in
01416	Lancaster st., between Bethel and Broadway...	6 in
01417	Lombard st., between Gilmor and Mount sts...	6 in
01418	Carroll and Cleveland sts, west from Carey st.	6 in
	Alley west of Carey street, between Carroll and Cleveland streets	6 in
01419	Alley east of Park avenue, south from Lafayette avenue	2-in. blow
01422	Bell alley, between Bath and Franklin streets.	6 in
01425	Sterrett alley, south of Hamburg street.	6 in
01426	Woodyear street, north of Lombard street....	4 in. connection
01429	Baltimore and Gilmor streets	2 6-in. gates
01430	Carey and Lexington streets	1 6-in. gate
01431	Liberty Road, west of Garrison avenue	12 in
01432	Lombard st, between Calhoun and Stricker sts	6 in
01434	Uhler's alley, between Hanover and Charles st	6 in
01435	Greenmount avenue, between Lafayette avenue and Lanvale street	6 in
01436	Belt avenue, between Randall and Wells sts...	6 in
01437	Eutaw Place, between Ducatel and Whitelock streets	6 in
01439	Greenmount avenue and alleys north and south of Pinkney Place	6 in
01441	Lanvale street, between Eutaw Place and Linden avenue	6 in
01442	Goodwin alley, between Sharp street and Crooked lane	4 in
01443	Warner street, east of Carey street	6 in
01445	Eastern avenue bridge, between East and West Falls avenue	Iron work beams

MAINS LAID—Continued.

No. of Blue Print.	Location.	Size in Inches.
01446	Elm ave., between Merryman and Fifth aves...	6 in
01449	Crooked lane, between Fayette and Lexington, and Goodwin alley, between Crooked lane and Sharp street	6 in
01450	Appleton street, between Northwest street and North avenue	6 in
01451	Lorraine street, between Barclay street and York Road	6 in
01453	Eastern avenue, between President and Union Dock	10 in
01454	Eutaw Place and Brook's lane	5-in plug
01455	Falls Road and Lafayette avenue	6 in
01456	Alley west from Parkwood avenue, south of Orem avenue	6 in
01457	Bruce st., between Fayette and Baltimore sts...	3 in
01459	North ave., between Oliver and McMechen sts	20 in
01460	Spear alley, south of Lombard street	2 in
01461	Alley north of Lorman st., east of Fulton ave..	2-in blow
01462	Vincent alley, north from Patterson avenue....	6 in
01464	Eleventh street, between Clifton and Windsor avenues	6 in
01465	Alley south of Riggs ave, west of Gilmor st....	2-in blow
01466	Preston street, west of Chester street	6 in
01467	Eden st., between Oliver and Federal sts	6 in
01468	Alley rear south side Hoffman street, east of Bond street	3 in
01469	Carlton street, north from Winchester street..	6 in
01470	Lanvale and Bethel streets	4 in
01471	Argyle avenue, south of Sewell street	3-in. connection
01472	Durham street between North and Lafayette avenues	6 in
01477	Cathedral street, north of Monument street...	4-in. connection
01478	Brunt street, south of Mosher street	4 in
01479	Eutaw street, between King and Pratt streets.	6 in
01488	Forrest street, between Mary Ann and Ramsay street	6 in
01490	Madeira alley, between Madison street and Ashland avenue	6 in
01495	Alley west of Fulton avenue, south of Walbrook avenue	6 in

MAINS LAID—Continued.

No. of Blue Print.	Location.	Size in inches.
01498	Ashland avenue and Eden street	6 in
01499	Johnson street, north of Winder street	6-in. meter supply
01502	Baxter street, between Baltimore street and Fairmount avenue	6 in
01505	Haubert street, between Nicholson and Marriott streets	6 in
01507	Valley st., between Chase and Biddle sts	4 in
01508	Biddle street, west of Chester street	6 in
01512	Smallwood street, between Lexington and Fayette streets	6 in
01513	Lanvale, east of Barclay street, and Barclay, north of Lanvale street	4 in
01516	Lafayette avenue, between Maryland avenue and Charles street	6 in
01520	Alley north of Girard avenue, between Calvert street and Hunter alley	2-in. blow
01524	Gold st., between Fulton ave and Mount st	6 in
01525	Vincent st., between Lexington and Fayette sts	6 in
01527	Alley east of Pennsylvania avenue, north from Presstman street	2-in. blow
01528	Sterrett alley, south from Cross street	6 in
01529	Madison street, between Adams and Taylor streets	6 in
01530	Marriott street, east of Jones street	6 in
01531	Smallwood and Montrose streets	6 in
01538	Wilhelm street, between Pulaski and Smallwood streets	6 in
01540	West street, between Sterrett alley and Paca street	6 in
01552	Vincent street, north from Presstman street	6 in
01557	Carey and Ramsay streets	10-in. gate

UNFINISHED WORK ON MAINS, DECEMBER 31, 1900.

01438	Lennox street and Mount Royal Terrace	30-in. connection
01497	Elm avenue, north of North avenue	30 in
01521	Gold street, between Madison and Druid Hill avenues	6 in
01523	Alley south of Laurens street, east of Etting street	4 in

NEW FIRE HYDRANTS ERECTED IN 1900.

Location, New Sites.	Size.
Fifth avenue, east of Druid Heights avenue	5 in
Northwest corner Boston and Hare streets	5 in
Northwest corner Boston street and East avenue	5 in
Northeast corner Smallwood and Fayette streets	5 in
Southeast corner Eutaw and Whitelock streets	5 in
Northeast corner Liberty road and New Liberty road	5 in
East side Eutaw street and Brooks lane	5 in
Northwest corner Belt avenue and Wells street	5 in
Northwest corner Appleton and Northwest streets	5 in
Southeast corner Loraine and Barclay streets	5 in
Northeast corner Little Montgomery and Eutaw streets	5 in
Northwest corner Cole and Mount streets	5 in
Southwest corner Lawrence and Clement streets	5 in
Northwest corner Sterling and Monument streets	5 in
Northwest corner Chestnut avenue and Thirty-fifth street	5 in
Northwest corner Carey and Carroll streets	5 in
Northeast corner Merryman's lane and Ash avenue	5 in
Northwest corner Kennedy avenue and Twentieth street	5 in
Southwest corner Falls road and northern boundary	5 in
Northwest corner Maryland avenue and Mt. Royal avenue	5 in
Southeast corner Maryland avenue and Oliver street	5 in
East side of Maryland avenue, south end of bridge	5 in
Northwest corner Cedar avenue and Singer avenue	5 in
Northwest corner Cedar avenue and Front street	5 in
Northeast corner Lanvale and McCulloh streets	5 in
Northwest corner Townsend and Dallas streets	5 in
South side Gay street, opposite Mott street	5 in
Total	27

Location, Old Sites.

Southwest corner Mosher and Division streets	5 in
Northwest corner Howard and Mulberry streets	5 in
East side Schroeder, between Franklin and Mulberry streets	4 in
Southeast corner Wayne and Fremont streets	5 in
Northeast corner Pine and German streets	5 in
Northeast corner Biddle and George streets	5 in
Northwest corner King and Penn streets	5 in
Northwest corner Arlington avenue and Lemmon street	5 in
Northeast corner Lafayette avenue and McCulloh alley	5 in
Baltimore City Jail Bill	5 in
Southeast corner Holliday and Saratoga streets	5 in
Northwest corner Cedar avenue and Bey street	5 in
Southeast corner Lafayette avenue and Morris alley	5 in
Northwest corner Lombard and Greene streets	5 in
Northwest corner Calverton road and Frederick avenue	5 in
Southwest corner Lanvale street and Mason alley	5 in
Northeast corner Greenmount avenue and Madison street	5 in
Northwest corner Centre and Holliday streets	5 in
Northwest corner Lombard and Wolfe streets	5 in
Northwest corner Eutaw and Ross streets	5 in
South side Madison street, opposite McDonogh street	5 in
Northeast corner Courtland street and Dark lane	5 in
Northeast corner Charles street and Peabody alley	5 in
Northwest corner Gough and Caroline streets	5 in
Northwest corner Bank and Wolfe streets	5 in
Southwest corner William and Cross streets	5 in
Southeast corner Lombard and Mount streets	5 in
Southeast corner Lafayette and Mt. Royal avenues	5 in
Southwest corner Little Green street and Burgundy alley	5 in
Southeast corner Bond and Lancaster streets	5 in
North side Lanvale and Eutaw streets	5 in
North side Front street, opposite High street	5 in
Southeast corner Lanvale street and Stoddard alley	5 in
Southeast corner Mount and Fayette streets	5 in
Northwest corner Eastern avenue and President streets	5 in
Southeast corner East Falls avenue and Eastern avenue	5 in
Northwest corner West Falls avenue and Eastern avenue	5 in
Southeast corner Cheapside and Water street	5 in
Northwest corner Charles street and Fort avenue	4 in
Opposite 208 north Eutaw street	5 in
Total	40

NEW METERS PLACED.

⅝-in. meters	3
¾-in. meters	19
1-in. meters	15
1½-in. meters	11
2-in. meters	14
3-in. meters	28
4-in. meters	11
6-in. meters	3

TEST METERS PLACED.

¾-in. meters	11
1-in. meters	8
2-in meters	4

BILLED SUPPLIES.

¾-in. supplies	3
1-in. supplies	53
1½-in. supplies	21
2-in. supplies	7
3-in. supplies	11
4-in supplies	9
6-in. supplies	19

NEW SERVICE CONNECTIONS.

$12.00 Supplies	1,374
8.00 Supplies	5
12.00 N. C. O. S	3
6.00 Supplies	209
6.00 N. C. O. S	767
Increased supplies	57
Total	2,415

NEW MAINS LAID.

	Feet.
3-in. main	1,407
4-in. main	3,647
6-in. main	38,697
8-in. main	1,366
10-in. main	5,778
12-in. main	311
20-in. main	257
30-in. main	173
Total	51,636

Fire hydrants in use to date, January 1, 1901	2,594
Fountains in use to date, January 1, 1901	214
Blow stops in use to date, January 1, 1901	350
Meters in use to date, January 1, 1901	1,626
Indicators in use to date, January 1, 1901	281

NEW VALVES PLACED.

New Sites.

2-in. valves	50
3-in. valves	43
4-in. valves	49
6-in. valves	252
8-in. valves	2
10-in. valves	17
12-in. valves	10
20-in. valves	2

Old Sites.

2-in. valves	1
3-in. valves	14
4-in. valves	19
6-in. valves	1
10-in. valves	1

NEW BLOWS.

New Sites.

1½-in. blows	2
2-in. blows	32
4-in. blows	2
6-in. blows	10

Old Sites.

2-in. blows	5
4-in. blows	2

PRESSURE TAPS MADE.

30-in.x10-in. tap	1
30-in.x6-in. tap	4
20-inx12-in. tap	2
20-in.x10-in. tap	3
20-in.x6-in. tap	3
12-in.x6-in. tap	3
12-in.x4-in. tap	2
10-in.x10-in. tap	1
10-in.x6-in. tap	8

MAINS LOWERED.

3-in., Grant street, between Baltimore and German streets..	Bill work
4-in., Alley rear south side North avenue west of Bradish ave	Bill work
4-in., Lanvale and Calhoun streets	Bill work
4-in., Madison avenue and Robert street	
4-in., Hargrove alley, between Lanvale street and Lafayette avenue	
6-in., Alley rear Beach avenue, between First and Second avenues	
6-in., Clifton avenue, between Eighth and Ninth streets	
6-in., Eighth street, between Clifton and Walbrook avenues	
6-in., Monroe street, south of North avenue	
6-in., Calhoun and Mosher streets	Bill work
6-in., Cedar avenue, between First and Second avenues	
6-in., Roland avenue, north of Third avenue	
4-in. and 10-in., Carey and Mosher streets	Bill work

OLD MAINS ABANDONED.

3-in., Forrest street, between Lexington and Comet street.
3-in., East Falls avenue and Canton avenue.
3-in., Maryland avenue, north of Oliver street.
4-in., Bayard and Warner streets.
4-in., Dock street, south of Warner street.

BROKEN MAINS REPAIRED.

1½-in. main	1
2-in. main	11
3-in. main	39
4-in. main	24
6 in. main	15
8-in. main	1
10-in. main	1
12-in. main	2
20-in. main	1
36 in. main	1

JOINT LEAKS CAULKED.

1½-in. joint	177
2-in. joint	69
3-in. joint	175
4-in. joint	353

4½-in. joint	23
6-in. joint	284
8-in. joint	8
10-in. joint	146
12-in. joint	48
16-in. joint	40
20-in. joint	69
30-in. joint	29
36-in. joint	46
40-in. joint	1
48-in. joint	2
"No. Leak" Calls	426

GENERAL REPAIRS.

Changing Location of Fire Hydrants.

Raborg st. and Carrollton ave. from northwest to southeast corner.

East side South st., opposite Water st., 20 ft. south of Water st. Bill.

Southeast corner St. Paul and Fayette streets, from St. Paul to Fayette-street side.

Fire hydrants turned off in county and turned on by order Water Registrar (Private), 23.

Sewer inlet blows examined, 121.

Crippled Stops Located.

2-in. stops	12
3-in. stops	24
4-in. stops	32
6-in. stops	12
10-in. stops	2
12-in. stops	2
20-in. stops	5
30-in. stops	1
Service pipes repaired	290
Private pipe leaks	694
Meters repaired, not billed	403
Meter-service repairs, billed	695
Ferrules drawn for leaks	156
Ferrules drawn on order of Collector of Water Rents	90
" returned " " " " " "	65
Auxiliary meters placed	8
Fire hydrants capped and repaired	453
Valves packed and repaired	392

New street rims placed	71
Fountains repaired	181
Fountains turned off	52
Fire hydrants flushed	30,927
Blow-stops flushed	2,001
Services turned off on order of Collector of Water Rents	4,676
Services turned on " " " " " " "	3,806
Clogged services relieved	196
Plumbing inspections	1,041
Ferrule holes plugged	17
Clogged fire hydrants relieved	12
New meter dials placed	3
Original meters placed	41
Clogged meters relieved	27
Meters disconnected and left on premises	7
Original meters reconnected	2
New meter-boxes placed	16
Meters examined	299
Meters outside packed for the winter	658
Meters sent to yard for test	49
Fountains turned off	214
Fountains turned on	214
Fountains regulated and cleaned	4,029
Fountains repaired	92

Changed location of fountain from Albemarle and Plowman to Albemarle and Granby streets.

Fountain abandoned, west side Rogers avenue north of Ensor street.

New fountain, new site, northeast corner Wilson and Division sts.

Fountains replaced:

Northwest corner Riggs and Arlington avenues.
Northwest corner Caroline and Fayette streets.
Southwest corner Pratt and Stricker streets.
Southwest corner Lombard and Charles streets. Bill.
Northwest corner West Falls and Eastern avenues. Bill.
Northwest corner Fulton and Patterson avenues. (Private.)

SPECIAL PLUMBING WORK.

Mt. Royal Reservoir--Keeper's house, bath tub, washstand, water closet and kitchen range.

Mt. Royal Pumping Station--Three street washers for hose.

West Arlington Stand Pipe--Four street washers for hose.

Clifton Gate-house—Five street washers for hose.
Guilford Reservoir Stables—1½-inch supply and fixtures.
Druid Lake—Keeper's office, 1¾-inch supply and fixtures.
Druid Lake—Engineer's house, plumbing repairs.
Eastern Pumping Station—Plumbing repairs.
Lake Roland—Keeper's house, plumbing repairs.
Loch Raven—Keeper's house, plumbing repairs.
Mt. Royal Pumping Station—Grading and drain pipe.

FORCE OF CONSTRUCTION DIVISION JANUARY 1, 1901.

Superintendent	1
General Foreman	1
Chief Clerk	1
Book-keeper	1
Record clerks	2
Office clerks	2
Storekeeper	1
Foreman of paving	1
Foreman of wagons	1
Night watchmen	2
Meter foremen	3
Main foremen	4
Service foremen	4
Repair foremen	6
Emergency foremen	1
Bricklayers	2
Caulkers	16
Tappers	4
Pavers	8
Rammers	8
Turn-off men	3
Blow-stop men	2
Inspectors of main and services	2
Laborers	80
Carts	9
Wagons	6
Department wagon	1

Respectfully submitted,

GEORGE R. TRUELOVE,
Superintendent.

LENGTH AND COST OF NEW MAINS LAID IN 1900.

JANUARY AND FEBRUARY.

Diameter and Class.	Length in Feet.	Cost.						
		Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Laying Pipe.	Cost of Paving.	Total Cost.	Average Cost Per Lin. Foot.
3-inch.....	197	$ 48 56	$ 48 07	$ 5 62	$ 102 25	$ 10 72	$ 112 97	$ 57 3/10
4 "	1,124	317 04	313 19	42 40	672 63	36 40	709 03	63
6 "	4,791	1,884 41	1,360 58	230 53	3,475 52	232 54	3,708 06	77 3/10
8 "	.....	.....	.....	.....	.....	.....	.....	.....
10 "	7,784	7,117 96	4,064 99	601 61	11,781 96	628 24	12,412 80	1 59 4/10
12 "	7,710	8,302 32	3,900 29	784 47	12,982 23	430 51	13,417 59	1 74
16 "	.....	.....	.....	.....	.....	.....	.....	.....
20 "	2,185	4,206 85	3,065 60	524 42	7,796 87	83 02	7,879 89	3 60 6/10
24 "	.....	.....	.....	.....	.....	.....	.....	.....
30 "	2,681	9,588 06	4,970 33	908 13	15,466 52	5 73	15,472 25	5 77 1/10
36 "	.....	.....	.....	.....	.....	.....	.....	.....
40 "	.....	.....	.....	.....	.....	.....	.....	.....
48 "	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	26,472	$31,465 20	$17,723 05	$3,097 18	$52,277 98	$1,427 16	$53,712 59	.....

LENGTH AND COST OF NEW MAINS LAID IN 1900.

FROM MARCH 1ST TO DECEMBER 31ST.

Diameter and class.	Length in Feet.	Cost.						
		Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Laying Pipe	Cost of Paving.	Total Cost.	Average Cost Per Lin. Foot.
3-inch	813	$ 247 18	$ 108 47	$ 12 59	$ 367 89	$ 50 91	$ 419 15	$ 51 5/10
4 "	2,222	740 06	262 88	45 28	1,047 22	73 94	1,122 16	50 6/10
6 "	34,181	19,131 29	4,451 34	840 37	22,401 20	2,179 43	26,602 43	77 8/10
8 "	784	716 77	229 77	32 73	978 62	60 40	1,039 67	1 32 6/10
10 "	4,355	4,757 03	888 80	154 79	5,795 47	328 33	6,128 95	1 40 7/10
12 "	269	361 71	56 56	8 42	426 39		426 69	1 58 6/10
16 "								
20 "								
24 "								
30 "								
36 "								
40 "								
48 "								
Totals	42,624	$25,954 04	$5,997 82	$1,094 18	$33,016 79	$2,693 01	$35,739 05	

MAIN CONNECTIONS IN 1900.

Diameter and Class.	Length in Feet.	Cost.					
		Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Connection.	Cost of Paving.	Total Cost.
2-inch	127	$ 64 32	$ 28 90	$ 2 75	$ 95 97	$ 23 25	$ 119 22
3 "	153	169 28	56 63	8 42	234 23	34 28	268 61
4 "	374	393 74	206 97	33 63	633 19	86 14	719 93
6 "	800	1,854 95	933 42	78 73	2,866 50	228 49	3,096 14
10 "	20	378 69	166 57	48 35	593 26	20 69	614 20
12 "	9						
6 "	80						
10 "	7	786 89	337 49	40 12	1,163 85	59 98	1,224 48
20 "	255	1,277 48	589 68	68 31	1,933 37	51 28	1,986 75
Totals	1,825	$4,925 25	$2,319 66	$280 31	$7,520 37	$505 11	$8,029 33

REPAIRS TO MAINS IN 1900.

Month.	No. Leaks.	No. Breaks.	Mains Lowered.	Changed Locations.	Cost.					
					Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Repairs.	Cost of Paving.	Total Cost.
January	68	17	.....	1	$ 239 03	$880 54	$ 128 97	$1,248 54	$ 1,245 75	$2,494 29
February	45	.....	.....	1	227 96	790 71	107 70	1,189 37	1,044 15	2,233 52
March	102	4	1	.....	133 24	1,277 93	121 31	1,531 38	1,429 95	2,962 42
April	117	2	.....	.....	78 62	506 38	35 17	615 62	1,808 28	2,428 45
May	88	4	1	.....	24 71	260 08	14 76	292 55	1,870 07	2,169 62
June	98	4	1	.....	159 27	398 07	36 60	591 74	1,392 31	1,986 25
July	80	8	.....	1	136 42	350 35	37 16	522 18	958 11	1,482 04
August	88	5	.....	.....	37 82	366 92	21 85	424 64	1,379 31	1,805 90
September	61	2	.....	7	162 76	445 61	44 82	649 64	885 39	1,538 58
October	159	7	2	5	136 57	767 02	45 46	946 00	1,156 80	2,105 85
November	166	13	4	3	255 13	998 89	65 36	1,313 88	928 16	2,247 54
December	112	9	2	5	213 42	609 25	37 05	854 97	960 28	1,820 00
Totals	1,184	75	11	23	$1,767 95	$7,651 75	$696 21	$10,180 51	$15,058 56	$25,274 47

SERVICE CONNECTIONS IN 1900.

Month.	No.	No. Feet Pipe.	Cost.							
			Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Paving.	Total Cost.	Amt. Rec'd for Connect.	Profit.	Loss.
January	177	3,136	$1,064 97	$ 767 98	$ 206 34	$ 137 99	$ 2,177 28	$ 1,320 00		$857 28
February	243	3,444	1,271 27	933 03	242 43	106 10	2,552 83	1,716 00		836 83
March	120	2,032	748 19	363 67	98 23	168 21	1,378 30	1,176 00		202 30
April	165	3,058	1,033 62	392 18	108 62	143 01	1,677 73	1,764 00	$ 86 27	
May	218	3,080	1,210 46	459 02	120 14	197 56	1,987 53	2,133 06	145 53	
June	290	4,236	1,611 45	648 88	141 15	235 04	2,636 92	2,970 00	333 08	
July	198	2,523	1,007 73	443 00	100 61	186 96	1,738 30	1,806 00	67 70	
August	155	2,373	864 20	429 39	116 79	194 59	1,604 97	1,410 00		194 97
September	213	3,418	1,181 71	537 85	122 63	197 28	2,039 47	2,142 00	102 53	
October	231	3,126	1,240 42	499 09	105 53	338 71	2,183 75	2,448 00	264 25	
November	251	3,473	1,336 25	599 93	110 14	366 71	2,413 13	2,614 00	200 87	
December	154	1,700	757 92	328 89	77 29	148 29	1,312 54	1,476 00	163 46	
Totals	2415	35,599	$13,328 19	$6,402 91	$1,549 90	$2,420 45	$23,702 75	$22,975 06	$1,363 69	$2,091 38

SERVICE CONNECTIONS IN 1900.

BILLED SUPPLIES.

MONTH.	No.	No. Feet of Pipe.	COST.						
			Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Paving.	Total Cost.	Amount Received.	Profit.
January	7	333	$177 38	$109 41	$14 77	$15 19	$316 75	$348 42	$31 67
February	1	15	32 84	21 46	3 95	45	58 70	64 57	5 87
March	12	259	369 57	190 40	43 30	22 47	626 14	688 75	62 61
April	3	452	199 61	101 17	14 31	4 25	319 59	351 55	31 96
May	8	142	122 14	59 71	12 80	8 34	203 19	223 51	20 32
June	15	258	281 89	100 35	18 54	22 43	423 21	465 53	42 32
July	10	124	101 56	46 35	10 46	7 98	166 35	182 98	16 63
August	30	274	215 28	107 83	19 58	50 64	393 33	432 66	39 33
September	13	222	182 85	63 28	12 20	10 38	268 71	295 58	26 87
October	16	220	276 56	108 82	17 27	18 19	420 84	462 92	42 08
November	4	81	64 82	26 39	6 35	5 97	103 53	113 88	10 35
December	11	69	198 53	60 25	6 91	4 18	269 87	296 85	26 98
Totals	130	2,449	$2,224 03	$995 42	$180 44	$170 47	$3,570 21	$3,927 20	$356 99

HYDRANTS, FOUNTAINS AND VALVES INSERTED IN 1900.

Month.	Hydrants.				Fountains.		Valves.										
	No. and Size.		Total No.	Cost.	No.	Cost.	Number and Size.								No.	Cost.	Total Cost.
	4″	5″					1½″	2″	3″	4″	6″	8″	10″	12″			
January	.....	1	1	$ 61 75	.....	.....	.....	.....	3	6	1	.....	.....	.....	10	$225 29	$287 04
February	1	1	2	108 79	.....	.....	.....	.....	2	2	.....	.....	.....	.....	4	87 50	196 29
March	.....	3	3	169 92	.....	.....	.....	.....	1	.....	1	.....	.....	.....	2	15 38	185 30
April	.....	4	4	227 58	1	$ 46 97	.....	.....	.....	2	1	.....	.....	.....	3	18 91	293 46
May	.....	3	3	196 53	1	38 47	.....	3	.....	1	1	.....	.....	.....	5	44 43	279 43
June	.....	7	7	369 39	2	78 30	.....	7	1	3	.....	.....	.....	.....	11	181 48	629 17
July	.....	4	4	236 69	1	39 27	1	2	.....	3	.....	.....	.....	.....	6	78 96	354 92
August	.....	6	6	369 30	.....	.....	.....	2	2	3	3	.....	.....	.....	10	119 09	488 39
September	.....	1	1	44 80	2	78 95	.....	2	2	1	3	.....	.....	.....	8	170 39	294 14
October	1	6	7	325 18	.....	.....	.....	6	2	10	3	.....	.....	.....	21	3,197 97	3,523 15
November	.....	1	1	53 82	.....	.....	.....	2	3	1	.....	.....	.....	.....	6	106 52	160 34
December	1	5	6	349 98	.....	.....	.....	10	3	1	1	.....	2	.....	17	336 59	686 57
Totals	3	42	45	$2,513 73	7	$281 96	1	34	19	33	14	.....	2	.....	103	$4,582 51	$7,378 20

REPAIRS TO HYDRANTS, FOUNTAINS, VALVES IN 1900.

Months.	Hydrants.				Fountains.		Valves.		Total Cost of Repairs.
	No.		Total No.	Cost of Repairs.	No.	Cost of Repairs.	No.	Cost of Repairs.	
	4-inch	5-inch							
January	10	28	38	$303 60	227	$ 67 38	10	$219 99	$590 97
February	9	4	13	236 61	298	56 65	6	201 19	494 45
March	7	12	19	93 30	180	190 34	12	321 02	604 66
April	8	10	18	124 46	450	108 87	2	110 09	343 42
May	10	22	32	186 76	859	103 95	.....	112 12	402 83
June	12	11	23	202 91	151	48 94	1	528 32	780 17
July	23	26	49	241 76	372	62 41	3	200 65	504 82
August	7	17	24	209 42	184	102 03	3	164 22	475 67
September	4	14	18	115 64	432	156 99	.....	178 86	451 49
October	11	15	26	236 58	539	147 58	3	223 02	607 18
November	4	16	20	134 97	346	67 23	2	131 59	333 79
December	6	20	26	161 44	234	146 53	1	256 05	564 02
Totals	111	195	306	$2,247 45	4,272	$1,258 90	43	$2,647 12	$6,150 47

REPAIRS TO METER AND SERVICE CONNECTIONS IN 1900.

Month.	No. and Size of Meters.									Cost.						
	5/8″	3/4″	1″	1½″	2″	3″	4″	6″	No.	Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Paving.	Total Cost.	Amount Received.	Net Cost.
January	1	7	3	2	13	9	2	.....	37	$117 41	$943 79	$137 73	$127 90	$1,326 83	$378 32	$948 51
February	1	4	4	3	4	6	.....	.....	22	71 65	559 04	85 53	133 20	849 42	248 07	601 35
March	6	25	12	11	12	15	4	.....	85	136 16	540 38	91 56	142 38	910 73	327 02	583 71
April	1	6	4	1	3	6	.....	.....	21	33 79	225 28	16 85	182 38	459 65	76 22	383 43
May	1	2	.....	4	.....	4	2	1	14	189 32	501 26	55 74	231 91	979 48	369 27	610 21
June	.....	1	.....	.....	6	6	2	.....	15	168 84	435 60	43 35	481 25	1,131 14	387 74	743 40
July	1	5	10	5	5	14	1	.....	41	156 06	657 49	54 53	330 46	1,202 19	510 70	691 49
August	4	6	7	9	7	13	1	1	48	206 84	641 94	57 16	257 94	1,166 73	480 09	686 64
September	3	12	7	11	16	21	.....	.....	70	333 28	572 96	51 32	174 80	1,135 21	582 19	553 02
October	8	28	18	18	18	28	11	.....	129	402 99	800 55	94 09	298 33	1,598 41	599 79	998 62
November	2	14	16	21	7	31	4	1	96	176 47	790 96	110 11	332 01	1,412 25	386 93	1,025 32
December	1	12	13	9	11	17	2	1	66	532 29	802 44	58 08	261 57	1,657 38	701 91	955 47
Totals	29	122	94	94	102	170	29	4	644	$2,525 10	$7,471 69	$856 05	$2,954 13	$13,829 42	$5,048 25	$8,781 17

METERED SUPPLIES IN 1900.

Month.	Number and Size of Meters.									Cost.							
	5/8″	3/4″	1″	1½″	2″	3″	4″	6″	No.	Cost of Meters.	Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Paving.	Total Cost.	Amount Received for Work.	Profit.
January	.....	3	2	.....	1	3	.....	1	10	$782 50	$183 65	$118 27	$23 67	$ 7 83	$1,115 92	$1,149 26	$33 34
February	.....	.....	.....	1	1	.....	2	.....	4	440 00	64 09	28 67	6 17	7 43	546 36	557 00	10 64
March	1	3	1	3	3	2	.....	.....	13	575 70	109 70	96 99	18 53	4 49	805 41	828 38	22 97
April	.....	.....	3	.....	.....	2	.....	.....	5	248 80	67 00	51 75	11 00	6 90	386 30	400 05	13 75
May	2	2	.....	2	3	2	2	.....	13	884 50	278 74	135 47	31 39	13 20	1,343 65	1,389 57	45 92
June	.....	3	1	1	.....	4	.....	.....	9	436 65	271 78	91 03	19 06	22 27	841 34	881 81	40 47
July	.....	.....	1	1	1	3	2	.....	8	649 35	165 17	101 86	17 08	9 24	943 15	972 53	29 38
August	.....	1	1	.....	1	2	1	.....	6	431 45	111 01	46 15	9 25	9 95	607 91	625 56	17 65
September	.....	3	2	1	1	4	1	.....	12	618 19	283 52	137 56	21 26	29 33	1,090 06	1,137 25	47 19
October	.....	1	1	1	.....	2	1	.....	6	446 32	176 59	83 36	14 76	4 63	726 66	754 69	28 03
November	.....	2	.....	.....	1	1	1	1	6	763 68	137 32	59 70	15 15	4 82	980 82	1,002 53	21 71
December	.....	.....	1	1	1	1	.....	.....	4	213 53	168 58	50 79	8 09	13 48	454 47	478 56	24 09
Totals	3	18	13	11	13	26	10	2	96	$6,490 67	$2,018 15	$1,001 60	$195 41	$133 57	$9,842 05	$10,177 19	$335 14

MISCELLANEOUS WORK IN 1900.

Month.	Cost.				
	Cost of Material.	Cost of Labor.	Cost of Hauling.	Cost of Paving.	Total Cost.
January.....	$18 50	$2,223 61	$139 13	$126 20	$2,507 44
February....	15 88	2,089 50	106 66	65 46	2,277 50
March	2 56	1,055 19	100 96	83 97	1,242 68
April	24 85	609 92	36 07	39 50	710 38
May.....	11 89	522 02	9 14	19 89	562 94
June.....	180 23	1,167 56	53 94	62 75	1,464 48
July.....	399 26	1,596 17	82 99	72 05	2,150 37
August	619 70	2,243 43	75 85	375 59	3,278 57
September..	194 44	1,244 08	29 67	331 93	1,800 12
October.....	103 89	1,243 07	28 52	143 55	1,519 03
November .	14 74	846 77	29 49	64 92	955 92
December..	16 06	1,097 03	29 85	117 56	1,260 50
Totals.....	$1,566 04	$15,938 35	$722 17	$1,503 37	$19,729 93

Report of Superintendent of Mechanical Division.

MR. A. M. QUICK, *Water Engineer:*

DEAR SIR—I beg to submit the following statement of work performed by the Mechanical Division during the year ending December 31, 1900. The Mechanical Division has chiefly been engaged with routine work of making and repairing valves, fire hydrants, street fountains, and making and repairing machinery and other appliances for the pumping stations and the various divisions of the department.

The shops have been operated for full time during the year, and have turned out complete, ready for service, 236 gate valves of different sizes, from 2 to 12 inches in diameter, 51 fire hydrants and 12 meter strainers. Extensive repairs were made to 42 water meters of different sizes, 61 gate valves, 5 fire hydrants and 2 street fountains.

Pumping into the middle service from Mt. Royal Pumping Station was begun March 6th with engine No. 1209. Engines No. 1208 and No. 1209 were run about 15 days pumping into middle service to get them down on their bearings. On May 8th the capacity and duty trials were made on both engines pumping into high service. The results of the test met with all requirements. One of the 200 horse-power water tube boilers, made by the National Water Boiler Co., New Brunswick, N. J., was tested on March 24th with satisfactory results. The quantity of water pumped from March 14th to the end of the year into high service amounted to 4,024,700,497 gallons at a cost of .0040c. per 1,000 gallons, and pumped into middle service 238,820,366 gallons at a cost of .0058c. per 1,000 gallons.

The pipe vault on the south side of the station was covered with a roof of 12-inch I beams, brick arches and a layer of concrete with a smooth surface on top, which was covered

with a coat of pitch to make it water-tight. Also 3 window frames with sashes were built in the walls of the vault to admit light, and at the east end was built a large double door; a platform, with steps leading to the floor, was built on the inside. The woodwork, frame, sashes and doors were painted and the interior of the vault whitewashed. Nine iron coal chutes, with adjusting chains, were fitted under the coal conveyor track in the coal bunkers to deliver coal centrally in the bunkers. Door frames and sashes were set for inclosure round dynamo room. We also made 1 icebox, 2 cupboards boarded over openings leading to coal-crusher pit; made door for ash bin; erected 50 fence posts, and 250 feet of fence on the east side of the station; fitted up 5 steam radiators, 4 of which were placed against the south wall in the basement of the engine room, and one of which was placed in the coal-crusher pit. Iron gratings, with ladders, were placed under engines No. 1208 and No. 1209, that the parts to be lubricated may be more accessible. There were fitted up in the basement 1 pipe bench, 1 carpenter bench, 2 lockers, with bins and shelves for reception of stores and supplies; 2 cupboards, 2 chests for holding waste and 1 wood-box for holding scrap fire-wood. The water pipes that are suspended from the ceiling in the basement were braced with iron and secured to prevent them from vibrating. The painters have glazed and painted the doors and sashes enclosing dynamo-room, painted the steam end of engines No. 1208 and No. 1209, the grating and ironwork under the engines, 4 cupboards, 2 stairways and the grating and screens on the outside of the building. We also tightened up leaky flanges in main steam line, and unloaded 140 carloads of coal. The grounds around the station have been laid out, the lawn partly graded, the driveways paved with vitrified brick, the sidewalks paved with cement and marble coping and posts set by contractors. We have paved 2 gutters, built 12 catch basins, and foundation and walls for railroad track scales. The scale mechanism was placed in position by the Fairbanks Scale Co., and completed September 12, 1900.

At the Eastern Pumping Station the following necessary repairs were made to boiler No. 1: Renewed arch box and one 4-inch water tube; relined furnace with fire brick; renewed door frame, header plates, manhole and mud-drum gaskets; repaired fire doors and all boiler fittings, and cleaned tubes. The same work was practically done to No. 2, No. 3 and No. 4 boilers, in addition to renewing the damper, cleaning smoke flues for No. 2 boiler and renewing flame plates in No. 3 boiler. Engine No. 839 received the following repairs: Inserted one brass sleeve for accumulator distributing pipe and two bearing bolts; renewed, cleaned and examined 4 steam valves; renewed 4 spindle collars and 8 oil cups; turned 30 1⅛-inch rubber valves for air compressor; turned and chased 60 brass guards for water valves; turned 1 tube for ram indicator; renewed joints on high pressure cylinder, and repaired leak in jacket steam pipe. The steam piping of engine No. 1207 received 108 feet of magnesia pipe covering, sizes from ¾-inch to 1½-inch. On April 21st preparation was made to renew the defective water end on engine No. 1207, which had been cracked for some time at the lower portion of the casting. On April 25th the Worthington men arrived and commenced repairs, and finished the work on May 26th; about 11.45 A.M. of the same date engine No. 1207 was started up to pump into middle service. The engine was running nicely until about 2 P.M., when an accident occurred, breaking one cross-head shoe and one side rod, caused by the shoe binding on the side. After the accident repairs were made as soon as possible. The air valves in air compressor for engine No. 1207 failed to work properly, and the compressor was shipped to H. R. Worthington, New York, for repairs. At this station we also repaired window blinds and boiler feed pump, rearranged the electric light wiring, fitted up and applied jet condenser on exhaust pipe from dynamo engine. The old gas fixtures on the wall in the engine room were replaced by a combination gas and electric light fixture of suitable design. The two gas pendants over the engine were remodeled with four combination gas

and electric lights; each has one electric light reflector for the gauges. The painters have painted the roof truss, walls and wood work in the engine room. On April 4th this station stopped pumping into high service, as this work was taken up at Mt. Royal Pumping Station. From May 1st this station has been pumping into middle service until December 15th, when it was shut down for repairs to engine No. 839, the boiler feed pumps, air compressor and vacuum pump, and for cleaning the boilers. The quantity of water pumped during the year amounted to 1,219,894,518 gallons into high service at .0051 cents per 1,000 gallons, and pumped into middle service 2,246,208,368 gallons at a cost of .0042 cents per 1,000 gallons.

At the Western Pumping Station the following repairs were made to engine No. 46: Placed a copper washer under the nut of one brace bolt on water end to stop the leaking; repaired jacket valve; made extension rods for air pump and jacket valves, and renewed one stud-bolt in water end. Also the following repairs were made to engine No. 90: Made one new cut-off link; renewed two valve rods and levers in steam-chest of vacuum pump, and made extension rods for air pump and jacket valves. At this station we also made new pipe connections to air pump in engines No. 46 and No. 90; cleaned boilers; reseated and reground globe valves in boiler room; renewed grate-bars in boilers No. 1 and No. 3; repaired joint on feed water heater, and valve on stoker engine; altered discharge pipes in the basement; fitted up two sewer-plates and secured same to pipes; made 2-inch pipe connection from suction pipe to boiler feed pumps; partly renewed wainscoating in basement; repaired floor at coal bunker, covered same with 3-16-inch iron plates; made new doors for coal bunker; repaired and cleaned platform scale; renewed joists and flooring, and repaired roof of store room; renewed tin roof over store room, and painted the interior of boiler room. Removed old cobble-stone pavement and graded path; built hot well 5 feet in diameter, 17 feet deep, and laid 8-inch line for blow-off from

boilers; built one and repaired one catch-basin, and partly pointed up joints on building. Also the area around the station and the path leading to it were paved with vitrified brick by Contractor J. L. Robertson. During the year we unloaded at this station 22 carloads of bituminous coal, weighing 1,309,-176 pounds.

The station stopped pumping into high service on March 27th on account of Mt. Royal Pumping Station taking up the work. The quantity of water pumped into high service amounted to 183,238,198 gallons at a cost of .0083 cents per 1,000 gallons; and we pumped into upper service 64,519,261 gallons at a cost of .0150 cents per 1000 gallons.

In the machine shop repairs were made to lathes, Nos. 1, 2, 3, 4, 5, 6 and 14; drill presses, Nos. 9, 16 and 17; crosshead and shop engine, steampipes and valves; water cylinder of elevator; one hand truck; steampipe to whistle; blower in smith shop; vertical boiler and 2 valves in meter-testing room. One 4-inch quick-acting valve and new piece of 2-inch hose were also inserted on meter-testing machine.

In the pattern shop we made the following new patterns: manifold for steam radiators; nut for 2-inch valve; dog for header-plate; dead-plate for furnace; coal conveyor bracket and bucket; sleeve for distributing-pipe for engine No. 839; plate to cover waste-pipe; flame-plate for No. 3 boiler Eastern Pumping Station; gear-wheel for ventilator; bracket, cap and base for grating under engines Nos. 1208 and 1209; ½-inch D. S. lever-cock, plunger-rings for 1-inch, 1½ and 2-inch water meters; valve for ash-hopper; surface-plate, gear-wheel for lathe; oil-cup handles; 2, 3, 4, 6 and 10-inch gate-valves; frame and cover for meter boxes; tile-clamp, drop-grate and grate-bar for boilers in Mt. Royal Pumping Station; 15-inch special fitting; grate for catch-basins; stuffing-box and gland for accumulator engine No. 839; brass shoe for stadia-rod; 2-inch screw-end gate-valves; cap for bearing in gate-house at Lake Roland; 3-inch screw-end gate-valve; 3 and 4-inch flanged-end gate-valves; cap and bearing for stoker engine;

valve for patterns for air-compressor and cushion-valve for engine No. 1207. We also repaired patterns for 6x6, 10x6-inch four-way branches; 6x6, 10x10, 10x6, 4x2, 6x2-inch three-way branches; 2, 3, 4, 6 and 10-inch department gate-valves; 1½, 3, 4 and 10-inch sleeves; 2, 6, 10 and 12-inch end pieces; 2, 4 and 6-inch caps; 2, 4 and 6-inch ¼-bends; 4 and 6-inch ⅛-bends; 8x2-inch clamp; 4-inch S. bend; 20-inch rise B. and S.; 2–6-inch S. bend B. and S. O. D. S.; ½-inch spud; ½-inch lever-cock; 3x2, 4x3-inch reducers, screw and nut for 30-inch valve; dome and manhole for vault; 6x4 and 6x6-inch cutting-in specials; street rim cover; ¾, 1, 1½, 2 and 3-inch valves for meters; tile-clamp, and 6-inch 1–16-bend.

The carpenters have made handle for 18-inch wrench, 2 1-cubic-foot and 2 1-bushel boxes, 103, various sizes, meter boxes; made 3 ice boxes; repaired fence and sheds in Gay-street yard; platform 4x6x5-inches high for Auditing Division; 45 2-foot, 25 2-foot 6-inch and 289 3-inch service stop-boxes; 12 handles and 2 bodies for paving-rammers; two coke boxes, 3x3x2 feet; 100 bins, 16x18x12 inches, and 35 bins, 2 feet 6 inches by 2x4 feet, in storeroom Old City Hall; erected partition 20 feet long by 9 feet high; hung 3 doors, and eased desk-drawers and applied locks; also frame for grindstone; made alterations in smith shop and storeroom; hung 16 doors; made 3 cupboards, 8x2 feet 8 inches by 2 feet deep, and repaired 4 office chairs in Old City Hall; erected 12x14-foot shanty on Clipper mill and Falls roads; made one 9-inch by 14-foot straight-edge, 4 large centres and 2 small centres for gate-vault on Clipper-mill road; made 18 signs for department wagons; made platform and erected trestle derrick over engine No. 1207; made 2 6-foot kerbing 8 feet long for hot well at Western Pumping Station, and template for catch-basin; made centres for brick arches for pipe vault; made 3 5x8-foot circles for sewer well at Mt. Royal Pumping Station; made folding stadia-rod for Engineering Division; repaired department lumber wagon, shaft for pipe wagon and doors in

storeroom; erected painter and bricklayer scaffold at Western Pumping Station, bricklayers' scaffold at tower Druid Lake; repaired 14 tool boxes, 3 coke boxes, 7 wheel-barrows; sharpened and reset 7 double and 21 hand saws; repaired 10 derricks; turned 60 1-inch and 465 ¾-inch cedar plugs.

The blacksmith has forged one king pin and 6 bolts for lumber wagon; 25 drills, 2 lathe tools; and dressed for shop 804 lathe tools, 119 chisels, 13 pipe-cutters, and dressed for yard 21 diamond-point cutters; repaired and dressed 27 tools for smith shop; applied 152 shoes on horses for Mechanical Division, 110 shoes on horses Construction Division and 172 shoes on horses for County Division; forged and welded 18 bottoms, and 28 bands on paving-rammers; forged 72 flat chisels 6 and 9 inches long, 60 cape chisels 9 inches long, 120 finger-caulking tools, 41 handle-caulking tools; 24 roping tools, 2 brackets and 25 steel screws for fire-hydrants; dressed 8 flue-scrapers, 2 axes, 7 pinch-bars and 9 cutting-off tools for pipe-cutting machine.

The yard men have unloaded 155 carloads of coal weighing 9,709,170 pounds, unloaded 1 carload of coke and 1 carload of scrap wood; inspected, weighed, marked and stored all fittings, castings and material received; inspected 22 special castings weighing 21,354 pounds, 230 3-inch, 500 4-inch, 2,441 6-inch A, 500 6-inch B, 305 10-inch, 50 20-inch A, 30 20-inch B pipes, weighing in all 850 tons; hauled 230 3-inch, 418 4-inch and 269 6-inch pipes from Clifton to Gay-street yard; chipped 309 6-inch cast iron pipe to suit gauge and cut off the cracked end on 1 6-inch, 5 10-inch and 2 20-inch pipe found broken in car; cut off the cracked end on 3 10-inch and 1 20-inch pipe broken by transfer men, and hauled materials to and from railroad and pumping stations. Also the yard has been kept cleaned and roads shelled, the pipes and fittings were rearranged in new and more convenient positions. The fence and sheds at Gay-street yard were neatly painted.

The following is a detailed account of the work we have done for other divisions on department orders:

Engineering Division. Made one lead weight 1½-inch diameter 10 inches long; one 30-inch cross and staff for use at Loch Raven; 600 stakes ⅞x2½x18-inches long; one folding stadia rod, painted and marked same; made six alligator wrenches 6 inches long, two ⅝x5-inch special shaped steel hammers and two ⅝-inch flat chisels, and erected three cupboards in Water Engineer's office.

Construction Division. The smith shop dressed 2,133 picks, 171 chisels, 954 diamond-point cutters, 25 hand and digging bars, 326 crowbars, 2 hammers, 1 ladle, 20 bits and stone cutters, 5 wedges, 10 lamp stands, 235 pipe cutters, 10 axes, 11 rock wedges, 34 stone drills, 31 hydrant keys, 25 gallows keys, 22 socket keys, 7 roping tools, 10 lead cutters and 4 screwdrivers; forged 12 hydrant keys, 24 vault step rounds, 16 caulking tools, 9 3-lb. hammers, 1 10-inch pipe clamp for Monument and Gay streets, 1 6-inch pipe clamp for Uhler alley near Hanover street, 2 hangers for 1½-inch meters located at 235 East Baltimore street, 12 ⅜x2¼-inch wrought iron eye bolts for repairing street fountains, 16 clamp caulking tools, 12 ⅝-inch half round chisels, 12 of each 2x3x4-inch and 24 6-inch ferrule clamps; welded steel points on 24 asphaltum picks; repaired 9 Muller tapping machines and ground 240 drills for same; sharpened 9 axes, 2 6-inch pipe cutters; repaired 2 ratchets, 5 lead furnaces, 1 hydraulic jack, top standard for Dayton wagon, 2 water carts, 1 tool wagon, No. 1 and No. 2 tapping machine; 1 20-inch valve corner Fulton avenue and McHenry street, 1 gasoline lead furnace, 2 20-inch gate valves corner Division and McMechen streets, 30-inch gate valve John and Carroll streets; straightened 2-inch shaft for old style tapping machine; finished 50 ¾-inch thimbles for repairs to street fountains, fitted up and furnished parts for repairs to 19 street fountains and 9 fire hydrants at different locations; made and drilled 135 counter cover screws for sealing meters; finished 56 locks for meter boxes; painted 39 covers for fire hydrants; made cut in 30-inch main Clipper Mill and Falls road, on 30-inch main Oliver street near North

avenue, and 36-inch main corner North avenue and McMechen street; made bottom and top for meter vault corner Seventeenth street and Holly avenue; pluged 1 defective 20x20-inch 3-way branch B P No. 01171; drilled and riveted angle irons on I beams on Eastern avenue bridge for supports to a 10-inch water main over Jones' Falls; a yellow pine box was built around the pipe and packed with sawdust; the sidewalk on the bridge was replaced, and 9 loads of anthricite coal were hauled from Western Pumping Station to Old City Hall.

County Division. Work done on Department orders: Lake Clifton—Repaired 30-inch gate valve in vault, and mowing machine, and fitted up and applied 2 wire baskets for screen in gate house. Mt. Royal Reservoir—Repaired fence around keeper's residence; made necessary repairs to interior of residence, and erected porch and steps in the rear. Druid Lake —Repaired shaft for lawn mowing machine, fountain hydraulic stop and hand lever; forged and finished 24 5/8-inch wrought iron railing 4¼-inch long, and 6 welding tools; erected bricklayer's scaffold around tower; renewed 8 window frames, sashes and support for flagpole, and painted window frames, sashes, door frames and flagpole. High Service Reservoir—Repacked 2 20-inch gate valves. Hampden Reservoir—Made 1 clapper gate for conduit and repaired fence around keeper's residence. Guilford Reservoir—Made one draw-box, zinc lined, size 3 feetx18″x16 inches; made 4 signs, size 3x3 feet, and painted and lettered same. Lake Montebello—Repaired stable door, 1 bolt for windmill, 1 pet cock, ¾-inch rod and 1 ¾-inch pipe; repaired and painted large wagon; forged 6 wedges, 1 iron rod ¾x7¼ inches long, 1 ⅜x8-inch bolt, 12 wedges for scythes, cut off and drilled 2 pieces of 1x12-inch iron and 1 piece of ½-inch wrought iron pipe 24 inches long; dressed 49 harrow teeth, 2 hoes and 3 picks; renewed tires on 1 buggy; made 1 rod 1½x1½-inchx18-feet long, and hauled 50 grain sacks from Charles Foster's to Lake Montebello. Lake Roland—Forged and fitted up 3 braces and 5 bolts to secure water gauge board; painted interior of keeper's

residence and overhauled gate screws in gate house. Loch Raven—Forged 1 grappling iron ½x2x18 inches long, 1 ⅝-inch socket wrench, 2 steel keys for dredging machine, threaded 6 7-16-inch bolts 3 inches long, 12 ⅝-inch and ¾-inch bolts, 3 ¾-inch rods 14 feet 6 inches long, finished 4 cast-iron hand-hole plates for boiler; turned 6 wooden plugs 2¾ inches in diameter 3 feet long; overhauled 17 gate screws and made 12 brass washers for screw stand. West Arlington Stand Pipe—Made one oak gauge case 6x7x15⅝ inches and eased doors in keeper's residence.

Respectfully submitted,

EDWARD G. ROST,
Superintendent Mechanical Division.

MECHANICAL DIVISION.

ANNUAL REPORT YEAR ENDING DECEMBER 31, 1900.

	Salaries.	Materials.	Light.	Fuel.	Oil.	Waste.	Repairs.	Total.
Shops and Yard	.....	.....	$117 40	$ 326 09	$ 16 51	$ 8 06	.....	$ 468 06
E. P. Station	$9,200 30	.....	238 71	6,301 43	707 95	87 00	.....	16,535 39
W. P. Station	4,226 65	.....	87 76	947 05	55 16	16 52	.....	5,333 14
Mt. Royal Station	11,028 05	.....	24 12	10,103 67	795 63	91 63	.....	22,043 10

OPERATION OF PUMPS.

Stations.	Service.	Pumps.	Hours Worked.	Gallons of Water Pumped.	Coal Consumed in Pounds.	Duty.	Gallons of Water Pumped per lb. of Coal.	Cost of Pumping.	Cost of Pumping 1000 Gals. in cts.
Eastern Pumping Station.	High.....	839	1,777.50	655,988,671.54	1,659,225	59,139,037	395.3	3,497 19	.0053
	High.....	1,207	1,652.00	563,905,847.09	1,317,683	63,015.380	427.9	2,752.07	.0048
	Middle ...	839	4,838 55	2,145,391,605.16	3,671,274	26,286,207	584.3	8,550.95	.0039
	Middle ...	1,207	256.10	100,816,762.90	193,238	85,325,875	521.2	438.89	.0043
Western Pumping Station.	High... ...	46	363.35	91,619,099.00	227,521	45,565,262	402.6	767.49	.0083
	High.....	90	363.35	91,619,099.00	227,521	45,565,262	402.6	767.49	.0083
	Upper	46	238 09	23,951,625.00	151,101	49,677,488	204.7	475.35	.0150
	Upper	90	258.53	33,567,636.00	159,841	50,672,919	210.0	500.12	.0149
Mt. Royal Pumping Station.	High	1,208	2,130.30	1,397,762,614.64	3,219,145	66,234,698	434.2	5,855.60	.0041
	High.....	1,209	3,990.20	2,626,937,882.94	5,841,900	67,257,602	449.6	10,556.00	.0040
	Middle ...	1,208	49.15	30,317,039,68	32 586	42,832,450	930.3	133.14	.0043
	Middle ..	1,209	302.00	208,503,327.20	252,133	22,828,471	827.0	1,258.03	.0060

STATEMENT OF WORK DONE AT MACHINE SHOP DURING 1900.

102	New 2" Department gate valves	$ 447 55
100	" 3" " " "	633 70
1	" 4" " " "	16 98
40	" 10" " " "	1,217 12
10	" 12" " " "	432 88
6	" 4" fire hydrants	162 13
50	" 5" " "	1,795 35
12	" 2" " " meter strainers	52 65
New wooden stop-boxes		99 04
" meter-boxes		217 19
" patterns made		611 29
" ferrule clamps		105 05
" tools made		223 06
General repair work		5,004 08
Miscellaneous work		1,170 75
Total		$12,188 82

Report of the Superintendent of the County Division,

For Year Ending December 31, 1900.

Mr. A. M. Quick, *Water Engineer:*

The rainfall on the Jones' Falls supply was 32.65 inches.

The water in Lake Roland was too muddy to use for 37 days, and has been below the crest of the dam for 82 days, the minimum being 5.9 feet on August 20th. The dredge resumed operation March 1st and continued until December 29th, when it was discontinued in consequence of the lake becoming frozen over. There have been removed to date 390,957 cubic yards, costing $74,571.14, of this amount 229,925 cubic yards, costing $43,855.90, were removed during the present year. There still remain 25,043 cubic yards to complete the contract. We realized from the sale of hay, sand, fodder, ice, etc., at Lake Roland, $337.89.

The leak in the Jones' Falls conduit has been repaired. When the arch was stripped, the joint along the key was found to be open, the cement having become detached. This was caulked from the inside, grouted and plastered on the outside, and since then has caused no trouble.

The minimum water in Hampden Reservoir was — 11.2 feet on March 7th. The fence around the keeper's lot has been repaired, and the posts along the Falls road have been removed. The wire fence along the south side of the reservoir is in bad condition and should be renewed.

The minimum water in Druid Lake was — 11.2 feet on March 7th. The Northern Central Railway in laying a new siding uncovered the six 30-inch pipes leading to and from the lower stop house. Stone walls were laid between them to support the track. The tower on the southeast corner of the drive has been pointed, and new window frames have been put in.

Two hundred and thirty-six feet of 8-inch terra-cotta pipe have been laid to drain the road south of the engineer's house.

There were 64,690,019 gallons pumped from the Western Pumping Station to the West Arlington standpipe.

The rainfall on the Gunpowder supply was 34.28 inches.

The water in Loch Raven was too muddy to use for 51 days, and was below the crest of the dam 96 days. The dredge was put into commission on June 18th and continued until December 12th, when it was stopped by ice forming on the lake. There were 130,065 cubic yards of material dredged at a total cost of $5,785.68. The percentage of solid matter to the total amount pumped was 17.6. There were 350 barrels of corn, 1,026 bushels of oats, 560 bushels of rye and enough hay raised upon the land adjacent to Loch Raven to supply all the stock of the department and to leave a surplus to be sold. All the gates in the gate-house have been put in thorough order. On November 19th one of the tenant houses, known as "New Market," was burned, cause of fire unknown. Realized from the sale of corn, rye, hay, straw and rent, $1,302.63.

The minimum water in Lake Montebello was — 10 feet on February 16th. The drives and grounds have been kept in their usual good condition. Six hundred osage orange hedge plants have been set along the Hillen road. The timber guard in front of the east portal of the drain tunnel and the sand and gravel which had accumulated at both portals have been removed. All the hay used by the horses in the Mechanical and Construction Divisions was raised on land adjacent to the reservoir. Realized from the sale of hay, etc., $89 12.

The minimum water in Lake Clifton was — 10.1 feet on February 16th. On June 27th a large quantity of thick green scum formed on the lake, a sample of which was sent to the Health Department for analysis. Their report was that it consisted of algae and a few water bacteria, and contained no animalcula. Wire baskets have been placed on the screens at

the gate-house to catch any leaves or twigs that may accumulate there. The paths in the keeper's lot have been dressed with stone dust.

The minimum water in Mt. Royal Reservoir was —8.0 feet on December 6th. The path around the reservoir has been top-dressed with stone dust; the iron railing has been painted; the keeper's house papered, and a new stove, bath and closet put in.

There has been almost a continuous overflow from Guilford Reservoir during the year, this being caused by the difference in elevation between this reservoir and the Western High Service, which is supplied through the same force main, and in order to keep the latter full more water is delivered to Guilford than is necessary. The paths around the keeper's house have been top-dressed with stone dust. The wire fence around the reservoir is in bad condition and should be replaced with an iron railing.

The minimum water in the Western High Service Reservoir was —7.2 feet on March 5th. Two hundred and fifty feet of 10-inch terra-cotta drain pipe have been laid on the west side of the reservoir to carry off the overflow. The paths around the reservoir have been top-dressed with stone dust.

The West Arlington Standpipe continues in good condition. The lot has been sodded where necessary. A privet hedge has been planted around it, and the paths have been top-dressed with stone dust.

The pumps in the Eastern Pumping Station pumped 1,096,622,017 gallons to the Western High Service Reservoir and 2,357,770,868 gallons to the Middle Service.

The pumps in the Mt. Royal Pumping Station pumped 3,625,042,848 gallons to the Western High Service and 637,527,510 gallons to the Middle Service.

Since the reorganization of the Water Shed Patrol, on May 21st, when the force was reduced to two patrolmen, there have been 1,588 inspections reported, 1,150 on the Gunpowder and 438 on the Jones' Falls supply. This includes all property

lying on the stream; of this number 204 are reported bad, 139 on the Gunpowder and 65 on Jones' Falls. Twenty abatements have been accomplished, 14 on the Gunpowder and 6 on Jones' Falls. The worst feature are the sheds in Towson, and I know of no more effective remedy than the introduction of a sewerage plant for that town.

The excessive drouth of the past summer caused the flow of the streams to decrease very materially, and at the same time the consumption increased, nearly equalling the available supply in August.

For detailed statement of the flow of streams, waste, consumption, etc., see accompanying table.

Respectfully submitted,

WILLIAM BENTHALL,
Superintendent County Division.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Clear water over dam, per month	1,712,719,219	911,913,286	2,398,151,820	2,089,342,827	1,036,351,287	965,879,351	600,653,150	1,211,669,521	.....	482,093,055	824,234,699	378,644,302	12,611,652,517
Muddy water over dam, per month	1,305,549,565	2,995,637,061	2,283,783,655	137,617,151	680,690,930	1,456,658,311	341,322,045	859,716,255	401,858,392	47,332,921	364,600,812	390,805,306	11,265,632,404
Waste from Drain Gates, Loch Raven	534,438,652	2,368,012,252	3,965,871,160	3,013,643,520	2,285,311,742	1,577,867,687	477,650,154	276,626,105	108,592,949	289,291,431	177,094,416	48,017,511	15,122,417,579
Clear water through Conduit Gates	1,073,707,248	768,583,837	1,117,449,900	1,214,435,437	1,786,078,105	1,539,697,480	1,982,445,118	1,885,653,675	1,660,318,560	1,521,287,837	1,561,866,287	1,503,058,401	17,617,581,885
Total flow of stream, per month	4,626,414,684	7,044,146,436	9,765,256,535	6,455,038,935	5,788,432,064	5,540,102,829	3,402,070,467	4,233,665,556	2,170,769,901	2,340,005,244	2,930,796,214	2,320,585,520	56,617,284,385
Average flow of stream, per day	149,239,183	251,576,658	315,008,275	215,167,964	186,723,615	184,670,294	109,743,209	136,569,857	70,024,836	75,484,040	97,693,207	74,857,597	155,115,848
Spring water making into Conduit	93,000,000	84,000,000	93,000,000	90,000,000	93,000,000	90,000,000	93,000,000	93,000,000	93,000,000	93,000,000	90,000,000	93,000,000	1,098,000,000
Waste from Drain Gates, Lake Montebello	115,581,320	44,291,622	94,655,483	253,367,128	102,870,864	44,011,125	216,144,630	.....	2,365,356	18,336,824	37,397,606	123,715,719	1,052,737,677
Waste over Weirs, Lake Montebello	86,239,299	22,480,478	34,448,987	96,340,460	168,702,638	15,174,466	88,083,332	.....	6,546,735	51,544,409	44,831,889	74,862,838	689,255,531
Rainfall, Lake Montebello, in inches	2.20	4.33	1.80	2.96	1.12	4.84	3.26	4.39	4.96	1.82	1.88	2.31	35.87
Rainfall, Lake Montebello, in gallons	3,574,989	7,036,228	2,924,991	4,809,985	1,819,994	7,864,976	5,297,484	7,127,728	8,059,975	2,873,871	3,054,991	3,853,738	58,298,950
Gain or loss in Lake Montebello	.....	.....	.....	.....	— 3,656,264	— 116,999,640	— 5,687,482	— 14,624,955	+ 90,999,720	.....	— 34,124,895	8,124,975	.....
Water sent to Lake Clifton	968,461,618	792,847,965	1,084,270,421	959,537,834	1,612,981,861	1,695,376,595	1,782,202,022	2,000,406,358	1,661,466,724	1,547,280,475	1,609,816,678	1,393,208,607	17,107,857,068
Waste from Drain Gates	32,030,082	20,895,754	13,368,136	1,670,613	.....	.....	5,488,500	.....	.....	.....	.....	1,106,177	74,559,262
Waste over Weirs	79,110	11,570	121,630	335,930	.....	.....	407,251	.....	.....	56,546	506,748	567,943	2,086,728
Rainfall in Lake Clifton, in inches	1.63	5.60	3.70	2.25	1.22	4.98	2.67	4.21	5.16	1.85	2.11	2.45	37.83
Rainfall in Lake Clifton, in gallons	1,408,014	4,837,347	3,196,104	1,943,577	1,053,850	4,301,384	2,306,378	3,636,649	4,457,270	1,598,052	1,822,643	2 116,339	32,677,607
Gain or loss in Lake Clifton	.....	.....	+ 6,046,684	.....	— 6,262,637	— 63,058,276	+ 1,079,765	— 12,957,180	+ 50,964,908	.....	— 22,459,112	+ 8,206,214	.....
Total sent to City, per month	937,760,440	776,777,988	1,067,930,075	959,474,868	1,620,298,348	1,762,736,165	1,777,532,884	2,017,000,195	1,614,959,686	1,548,821,981	1,633,591,685	1,385,444,612	17,102,328,327
Average sent to City, per day	30,250,337	27,742,071	34,449,357	31,982,496	52,267,689	58,757,872	57,339,770	65,064,522	52,095,454	49,961,999	54,153,056	44,691,762	46,855,694
Total waste, per month	3,786,637,247	6,363,242,023	8,790,400,871	5,592,317,629	4,273,927,461	4,059,590,940	1,729,749,062	2,348,011,881	519,363,132	888,655,186	1,448,666,170	1,017,779,796	40,818,341,698
Average waste, per day	122,149,589	227,258,644	283,561,318	186,410,588	137,868,628	135,319,698	55,798,357	75,742,312	16,753,659	28,666,296	46,288,872	32,832,251	111,831,073

FLOW, CONSUMPTION AND WASTE. JONES' FALLS, 1900.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Clear water over dam, per month	432,352,304	748,541,660	354,633,080	403,057,832	282,456,958	6,303,437					14,825,480	159,836,908	2,402,007,659
Muddy water over dam, per month		276,438,230	478,727,612		105,034,073	82,045,121							942,245,036
Waste from Drain Gates, Lake Roland		398,965,248	483,088,323	155,105,280	268,310,592	196,241,264	63,513,149	25,741,014					1,590,964,870
Clear water through Conduit Gates	270,599,000	262,309,141	284,319,709	370,446,290	106,225,072	580,535,128	327,880,519	337,009,597	287,402,861	235,794,630	193,210,090	206,035,809	3,461,767,846
Total flow of stream, per month	702,951,304	1,686,254,279	1,600,768,724	928,609,402	762,026,695	865,124,950	301,551,168	418,750,611	313,860,160	258,472,314	283,627,852	365,872,717	8,487,870,176
Average flow of stream, per day	22,675,849	60,223,367	51,637,701	30,953,647	25,400,890	28,837,498	9,727,457	13,508,084	10,462,005	8,337,817	9,454,262	11,802,346	23,254,439
Waste from Harper's Waste Weir					20,000,000								20,000,000
Clear water sent to Hampden Reservoir	270,599,000	262,309,141	284,319 709	370,446,290	86,225,072	580,535,128	327,880,519	337,009,597	287,402,861	235,794,630	193,210,090	206,035,809	3,441,767,846
Rainfall in Hampden Reservoir, in inches	2.05	4.21	2.45	2.17	1.38	5.55	2.13	4.22	3.95	1.50	2.14	2.42	34.17
Rainfall in Hampden Reservoir, in gallons	444,584	913,023	531,332	470,608	299 281	1,203,628	461,933	915,191	856,637	325,305	464,102	524,825	7,410,449
Gain or loss in Hampden Reservoir	— 2,385,570	— 10,409,760	+ 7,807,320	— 2,819,310	— 11,060.370	— 8,024,890	— 271 088	+ 216,870					
Water sent to Druid Lake by gravity	273,429,154	273,631,924	277,043,721	373,736,208	97,584,723	573,713,866	328,613,540	337,707,918	288,259,498	236,119,935	193,674,192	206,560,634	3,460,075,313
Rainfall in Druid Lake, in inches	1.94	4.31	2.44	2.17	1.43	5.64	1.84	4 03	3.56	1.28	1.95	1.98	32.57
Rainfall in Druid Lake, in gallons	3,063,357	6,805,706	3,852,882	3,426,539	2,248,042	8,905,842	2,905,452	6,363,572	5,621,418	2,021,184	3,079,148	3,126,519	51,419,661
Waste from Druid Lake													
Gain or loss in Druid Lake	— 33,160,050	— 142,114,500	+ 123,165,900		— 94,743,000	+ 91,584,900	— 16,974,788	+ 30,001,950	+ 11,053,350	+ 7,500,488	+ 3,158,100	— 11,053,350	
Total sent to City, per month	309,652,561	422,552,130	157,730,703	377,162,747	194,575,765	491,034,808	348,493,779	314,069,540	282,827,566	231,640,631	193,595,240	220,740,503	3,544,075,973
Average sent to City, per day	9,988,792	15,091,147	5,088,087	12,572,092	6,276,638	16,367,827	11,241,735	10,131,276	9,427,587	7,472,278	6,453,175	7,120,661	9,709,797
Total waste, per month	432,352,304	1,423,945,138	1,316,449,015	558,163,112	675,801,623	284,589,822	63,513,149	25,741,014			14,825,480	159,836,908	4,955,217,565
Average waste, per day	13,946,849	50,855,183	42,466,097	18,605,437	21,800,052	9,486,327	2,048,811	830,355			494,183	5,156,029	13,575,939

HIGH SERVICE RESERVOIRS, STAND-PIPE AND RECAPITULATION, 1900.

Operation of Pumps.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
From W. P. Station to Upper Service	3,059,976	3,060,432	3,928,352	4,367,592	5,887,899	6,868,296	8,519,904	9,269,928	6,449,256	4,914,432	4,145,328	4,218,624	64,690,019
" " " " W. H. " Reservoir..	67,450,536	91,251,424	24,536,238	.....	.....	.....	.....	.....	.....	.....	.....	.....	183,238,198
" Mt. R. P. Station to " " " ...	.....	.....	.....	264 431,878	353,837,762	358,541,149	462,454,755	440,842,805	448,810,010	520,408,619	479,409,760	296,306,110	3,625,042,848
" E. " " " " " " ...	307,606,360	244,446,800	326,182,861	35,495,664	.....	.....	60,172,111	2,566,684	.....	3,786.391	.....	116,365,146	1,096,622,017
" " " " " Middle "	106,780,000	10,170,000	57,564,092	.....	334,380,259	279,027,822	288,707,308	344,212,946	321,489,552	315,550,009	245,744,064	54,144,816	2,357,770,868
" Mt. R. " " " " " ...	.....	.....	225,841,627	63,840,000	111,636,387	150,424,496	.....	9,690,000	.....	.....	.....	76,095,000	637,527,510
High Service Reservoirs.													
Rainfall in High Service Reservoir in inches.....	2.00	4.26	2.45	2.17	1.40	5.60	1.99	4.13	3.75	1.39	2.05	2.20	33.39
" " " " " gallons.....	294,680	627,668	360,983	319,728	206,276	825,124	293,207	608,514	552,525	204,793	302,047	324,148	4,919,693
Gain or Loss in High Service Reservoir.....	.....	— 2,652,120	+ 3,241,480	+ 294,680	— 7,809,020	— 3,388,820	— 1,068,215	+ 1,178,720	— 11,197,840	+ 11,050,500	+ 515,690	— 884,040	.....
Rainfall in Guilford Reservoir in inches.....	1.90	4.30	2.40	2.00	1.30	4.22	2.01	3.98	5.09	1.35	2.03	2.15	32.73
" " " " " gallons	358,142	810,533	452,390	376,992	245,045	795,453	378,877	750,214	959,441	254,470	382,647	405,266	6, 169,470
Gain or loss in Guilford Reservoir	.....	.....	.....	— 376,992	— 188,496	.....	+ 471,240	.....	— 565,488	+ 942,480	.....	.....	.....
Recapitulation.													
Total Upper Service Consumption.....	3,059,976	3,060,432	3,928,352	4,367,592	5,887,899	6,868,296	8,519,904	9,269,928	6,449,256	4,914,432	4,145,328	4,218,624	64,690,019
" High " "	375,709,718	339,788,545	348,290,992	300,706,574	362,286,599	355,300,546	513,434,775	433,956,497	454,260,304	510,311,293	477,078,764	414,284,710	4,885,409,317
" Middle " "	345,922,049	338,410,274	412,671,832	441,002,747	634,704,512	928,418,206	636,670,703	665,871,183	603,543,962	546,776,699	437,147,276	355,198,943	6,346,338,386
" Low " "	523,374,080	522,161,188	458,341,495	595,707,326	820,443,940	975,061,618	966,198,710	1,223,152,135	846,868,424	656,712,862	908,984,561	842,533,540	9,339,479,879
" Consumption per month.....	1,248,065,823	1,203,420,439	1,223,232,661	1,341,784,239	1,823,322,950	2,265,648,666	2,124,824,092	2,332,249,743	1,911,061,946	1,718,715,286	1,827,355,929	1,616,235,817	20,635,917,591
Average " " day.....	40,260,188	42,979 301	39,459,118	44,726,141	58,816,869	75,521,622	68,542,713	75,233,863	61,647,160	55,442,429	60,911,864	52,136,639	56,536,761

DEPARTMENT OF PUBLIC WORKS—SUB-DEPARTMENT WATER BOARD.

Table of Rainfall in Inches.

1900.	JONES' FALLS SUPPLY.			GUNPOWDER SUPPLY.					
	Lake Roland.	Hampden Reservoir.	Druid Lake.	Loch Raven.	Lake Montebello.	Lake Clifton.	Mt. Royal Reservoir	W. H. Ser. Reservoir.	Guilford Reservoir.
January	1.96	2.05	1.94	2.21	2.20	1.63	2.02	2 00	1.90
February	4.73	4.21	4.31	5.39	4.33	5.60	4.21	4.26	4 30
March	2.54	2.45	2.44	3.18	1.80	3.70	2.30	2.45	2.40
April	1.82	2.17	2.17	2.28	2.96	2.25	2.18	2.17	2.00
May	1.45	1.38	1.43	2.04	1.12	1.22	1.30	1.40	1.30
June	4.27	5.55	5.64	3 54	4.84	4.98	3.92	5.60	4.22
July	2.26	2.13	1.84	3.02	3.26	2.67	1.61	1.99	2.01
August	3.50	4.22	4.03	4.58	4.39	4.21	3.56	4.13	3.98
September	3.22	3.95	3.56	3.73	4.96	5.16	3.97	3.75	5.09
October	1.32	1.50	1.28	1.16	1.82	1.85	1.47	1.39	1.35
November	2.08	2.14	1.95	1.96	1.88	2.11	1.63	2.05	2.03
December	2.05	2.42	1.98	2.46	2.31	2.45	2.14	2.20	2.15
Totals	31.20	34.17	32.57	35.55	35.87	37.83	30.31	33.39	32.73

UNIV. OF MD COLLEGE PARK
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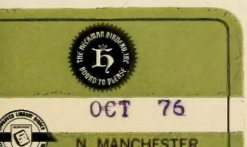
OCT 76
N. MANCHESTER